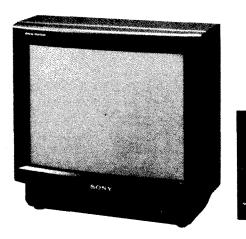
SERVICE MANUAL



AEP Model

KV-M2130D Chassis No. SCC-B66F-A KV-M2131D Chassis No. SCC-B66J-A

BE-1 CHASSIS

Note: The service manual for RM-657 has been issued separately.

MODELS OF TH	MODELS OF THE SAME SERIES								
KV-M2130D/M2131D	KV-M14D/P14D								
KV-M19D/M19TD									
KV-M2121D/2121	IE								

SPECIFICATIONS

Television system

Color system

Channel coverage

PAL/SECAM VHF E2-S20

UHF E21-E69

CCIR B, G and H

Picture tube

Trinitron

Approx. 54.5cm (21 inches)

Approx. 51cm (picture measured

diagonally)

100 degree deflection

Input Outputs 21-pin connector, AV Connector

Earphones jack: minijack

21-pin connector: CENELEC Standard

Sound output

5W (music)

Power consumption 99Wh

Dimensions

Approx. $518 \times 480 \times 478$ mm (w/h/d)

Weight

Approx, 23kg

Supplied accessories RM-657 Remote Commander (1)

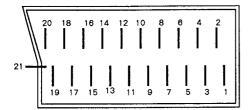
IEC designation R6 batteries (2)

Design and specifications are subject to change without notice.



TRINITRON® COLOR TV SONY

21-pin Euro Connector Configuration



PIN	SIGNAL	SPECIFICATION
1	Audio output	0.5Vrms/1kilohm or less
2	Audio input	0.5Vrms/10kilohms or more
3	Audio output	0.5Vrms/1kilohm or less
4	Earth (audio)	
5	Earth (B-input)	
6	Audio input	0.5Vrms/10kilohms or more
7	B-input	0.7Vp-p/75ohms
8	Function switching	9.5V to 12V
9	Earth (G-input)	
10		
11	G-input	0.7Vp-p/75ohms
12		
13	Earth (R-input)	
14	Earth (blanking)	
15	R-input	0.7Vp-p/75ohms
16	Fast blanking	1V to 3V/75ohms
17	Earth (video)	
18	Earth (fast blanking)	
19	Video output	1Vp-p/75ohms
20	Video input	1Vp−p/75ohms
21	Screening plug	

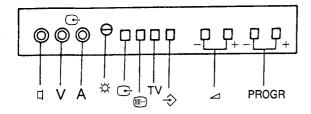
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SECTION 1 GENERAL

Note) The layout, etc., will be slightly different from the operating instructions packed with the units.

1-1. FUNCTION OF CONTROLS



On the set

On-screen display

Indicates program numbers and input mode; .

Press the button to make the display appear on the screen, and again to make it disappear. See also "On the Remote Commander" below.

Bar display

Indicates the level of the user controls when they are adjusted; \angle volume, \bigcirc contrast or \bigcirc color.

1) power switch

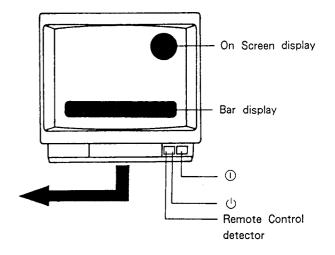
To cut off the main electricity supply, press this switch. Ensure correct operation by pressing the switch fully.

Remote control detector

Point the Remote Commander towards this detector.

(standby indicator

Lights up brightly when the set is in standby mode.



Inside the panel

arphone jack (minijack mono)

→ preset button

m analogue select buttons

input button

Press this button to view the input picture coming in through the 21-pin connector or the \bigcirc connectors on the front panel. " \bigcirc " appears on the screen. Press \bigcirc again or PROGR + \nearrow – to return to the TV mode.

Extra equipment can be connected to the TV using both the 21-pin connector and the \bigcirc input connectors, but only one piece of equipment besides the TV should be turned on at one time.

☼ brightness control

Turn clockwise for more brightness or anticlockwise for less.

∠ Volume adjustment buttons +/-

Use these buttons adjust the volume to the desidered level.

PROGR +/- buttons

Use to scan the available channels. To turn on the TV from standby mode without the remote commander, press any of these buttons.

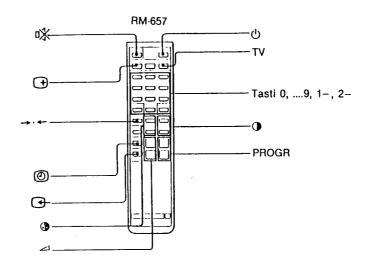
→ Video / Audio input connectors (phono)

Connect to a VTR, micro-computer, etc.

O V (Yellow) video input

o A (Black) audio input (mono)

1 - 2. ON THE REMOTE COMMANDER



To operate the Commander, point it toward the remote control detector.

M mute button

Use to mute the sound. Press \triangle + or \bowtie to restore the sound.

0,9, 1-, 2-buttons

To select:

program 15, press 1 - and 5,

program 25, press 2- and 5.

→·← Reset button

Press to return color and contrast to factory-set levels.

() standby button

Press to select standby mode. Use this facility to turn off the set for short periods of time.

To return to TV mode, press TV or the program number on the Remote Commander; there will be a slight delay before the picture is restored. If the main power is turned off when in standby mode, the indicator will take 2 to 6 seconds to go off.

1-3. TO PRESET CHANNELS

Use the buttons inside the panel. To open the panel, push and pull the center.

Manual Programing

To Tune in a Channel in Any Desired Program Position

- 1 Press 💠 (preset) to select the presetting mode.
- Select the desired program position by using the PROGR + or - button.
- 4 Press → again to return to the TV mode.

(+) On-screen display button

Indicate the program number and the input mode. Press this button to make the display appear on the screen, and press the button again to make it disappear.

TV button

Press to change to the TV mode from standby, 🕒 input modes.

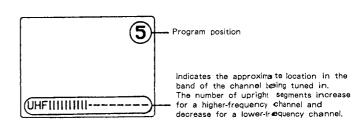
PROGR+/- buttons

Use to scan the available channels.

- ∠ +/- volume buttons
- 3 color buttons
- contrast buttons

input button

Press to view the input picture from the connector or connectors. " appears on the screen. Press PROGR +/- or a program number key to return to the TV mode.



1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. RM-657 has teletext buttons indicated in green teletext operation are indicated in green.

Operation

- Select the TV channel for the desired teletext service.
- 2 Press ⋑/⋑ (TEXT/MIX) to display the teletext service.
 - Once (E) / (E) has been pressed, the TV channel cannot be changed.
- 3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the Remote Commander.

The teletext service can be displayed directly from the standby mode, by pressing () /2.

To receive the teletext service of a different TV channel.

- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press (₹)/②.

To display the index page.

Press (INDEX). If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page

Press (PAGE+) or (PAGE-).

These buttons are indicated in white on the Commander.

To superimpose the teletext display on the TV picture.

Press 🖹 / 🕏 twice from TV mode.

Press Degraph again to return to the TEXT display.

To suppress the teletext display so that the TV picture is displayed.

To prevent a teletext page (subpage) from being updated / Changed

Press 📻 HOLD. The HOLD symbol "🖅" appears at the top left of the screen.

To resume normal teletext reception, press 🖃 / 🕏.

To enlarge the teletext display.

Press . Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display; press again to return to the normal display.

To reveal concealed infomation such as the answers to a quiz

Press (F?) (REVEAL)

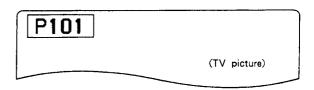
Press again to conceal the answers.

To adjust the contrast of the teletext display.

Press \bigcirc + or - button.

To watch the TV program while waiting for a requested page to be displayed.

- 1 Request the new page.
- Press to watch the TV program. The requested page number appears at the top left of the screen. When the requested page has been found, the page number is displayed on the top left hand corner of the screen.

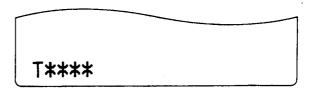


To view this page, press = / 2.

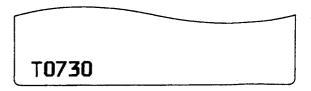
To have a requested page displayed at a pre-determined time.

- 1 Request a time coded page (e. g. alarm page).
- 2 Press (TP ON).

"T****" will appear at the bottom of the screen.



3 Enter your request time with the number buttons, using four digits. For example, 07:30.



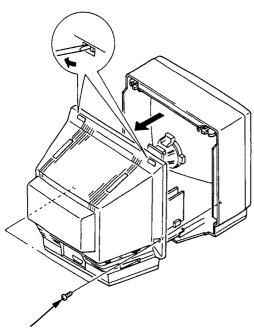
To watch the TV program until the requested time, press \mathbb{F}^{\times} . At the requested time, the page number will be displayed at the top of the screen.

To view this page, press = / 2.

To cancel the request, first ensure that the teletext page is displayed, then press 9 (TP OFF).

SECTION 2 DISASSEMBLY

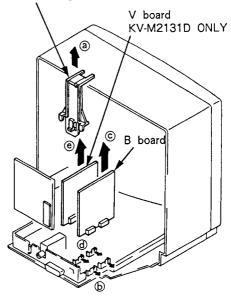
2-1. REAR COVER REMOVAL



- ① Remove the two screws.
- ② On the top of the rear cover, use a screwdriver to push the tab (circled in the figure) in the direction of the arrow to release the cover holder.

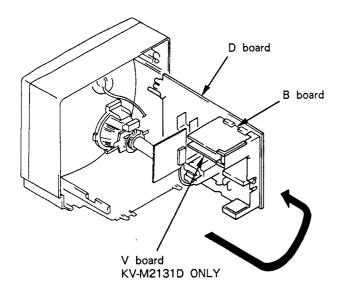
2-2. B AND V BOARDS REMOVAL

① Remove the B bracket in the direction of arrow ② while pull the bracket clip.

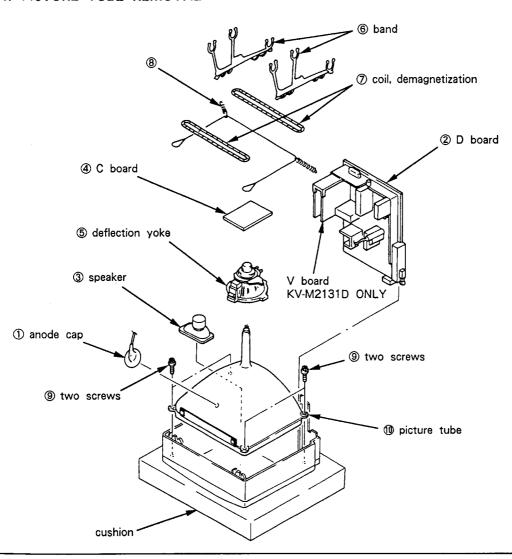


- ② Pull the two clips in the direction of arrow ⓑ. Remove the B board in the direction of arrow ⓒ.
- ③ Pull the two clips in the direction of arrow ⑥. Remove the V board in the direction of arrow ⑥. (KV-M2131D only)

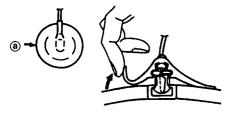
2-3. SERVICE POSITION



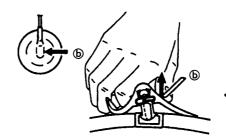
2-4. PICTURE TUBE REMOVAL



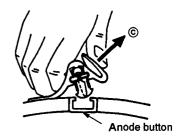
- REMOVAL OF ANODE-CAP
- REMOVING PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by the arrow ②.



② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⑤.

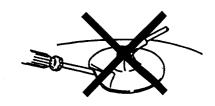


③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⑥.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!
 - A metal fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.





SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed,
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted:

CONTRAST control 80% (or Normal by Commander)

☆BRIGHTNESS control ····· 50%

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color Bar/Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital multimeter
- 5. Oscilloscope

Preparation

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force,
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.



- 1. Input a raster signal with the pattern generator.

 CONTRAST
 BRIGHTNESS
 normal
- 2. Turn the raster signal of the pattern generator to red.
- 3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1 3-3)
- 4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-1)
- 5. Switch over the raster signal to blue and green and confirm the condition.
- 6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
- 7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

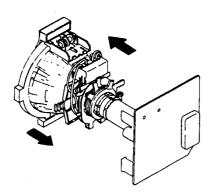


Fig. 3-1

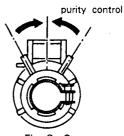
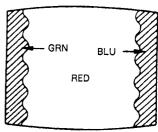


Fig. 3-2



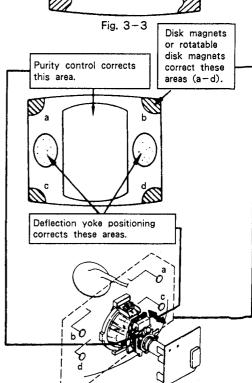
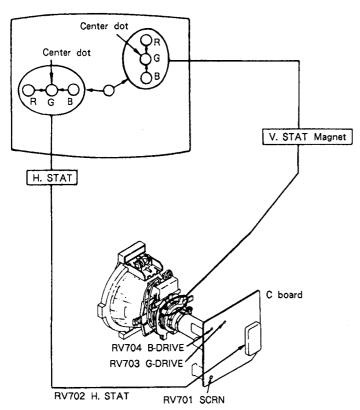


Fig. 3-4

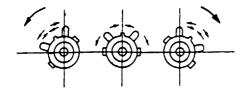
3-2. CONVERGENCE

Preparation:

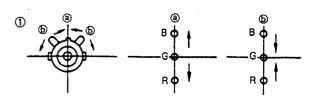
- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.
- (1) Horizontal and Vertical Static Convergence

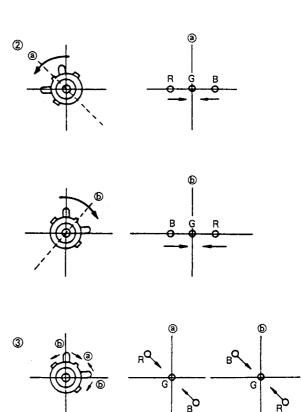


- 1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen, (Horizontal movement)
- 2. Adjust V, STAT magnet to coincide red, green and blue dots on the center of screen, (Vertical movement)
- 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.



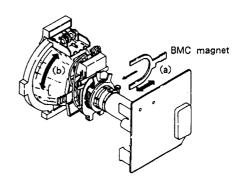


If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

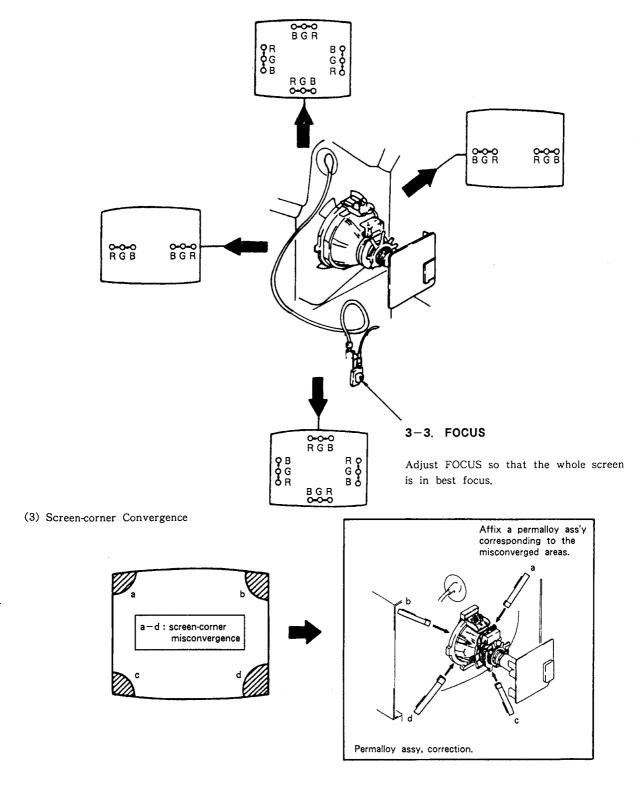


(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.

- 3. Move the deflection yoke for best convergence as shown below.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.



3-4. WHITE BALANCE

(Screen (G2) Setting)

- 1. Input dot signals from the pattern generator.
- 2. Set the picture BRIGHTNESS control to the minimum level
- 3. Apply 140 V DC to the cathodes of R, G, and B from an external power source,
- 4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

(White Balance Adjustment)

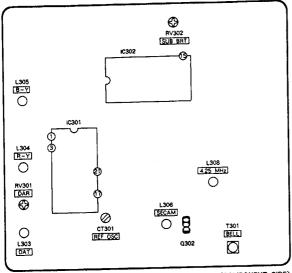
- 1. Input all-white signals from the pattern generator.
- 2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
- 3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4

CIRCUIT ADJUSTMENTS

4-1. B BOARD ADJUSTMENTS



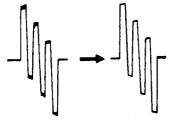
(COMPONENT SIDE)

REF OSC Adjustment (CT301)

- 1. Input a PAL COLOR BAR pattern.
- 2. Short circuit between pin ① of IC301 and ground.
- 3. Adjust CT301 to obtain color synchronization,
- 4. Remove the jumper wire from IC301.

1H DELAY LINE Adjustment (L303 DAT, RV301 DAR)

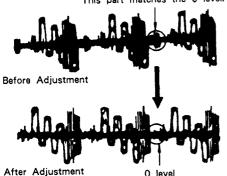
- 1. Input a PAL COLOR BAR pattern.
- Connect the oscilloscope to pin (3) (B-Y) of IC301 and observe the waveform of the H block on the oscilloscope.
- 3. Adjust L303 to minimize the double waveform outline.



Before Adjustment After Adjustment

- 4. Input a PAL TEST COLOR BAR pattern.
- 5. Rotate the RV301 VR and adjust till the ANT PAL part of the waveform matches the 0 level.

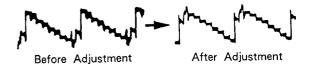
This part matches the 0 level.



6. L303 and RV301 affect each other, so repeat till the conditions of both are met.

Y TRAP 4.25 MHz Adjustment (L308)

- 1. Input a SECAM COLOR BAR pattern.
- Connect pin (5) of IC302 to the oscilloscope and adjust L308 so that the waveform level becomes minimum.

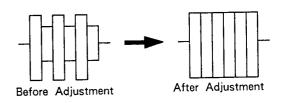


SECAM ID Adjustment (L306)

- 1. Input a SECAM COLOR BAR pattern.
- 2. Connect a Digital Multimeter at pin @ of IC301.
- 3. Adjust L306 so that the indicator goes up to the maximum.

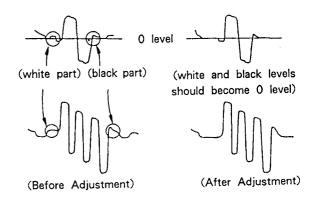
BELL FILTER Adjustment (T301)

- 1. Input a SECAM COLOR BAR pattern.
- 2. Connect an oscilloscope to the Q302 emitter.
- 3. Adjust T301 so that the waveform becomes flat.



SECAM DISCRI Adjustment (L304 R-Y, L305 B-Y)

- 1. Input a SECAM COLOR BAR pattern.
- 2. Connect an oscilloscope to pin ① of IC301.
- 3. Adjust L304 (R-Y) so that white and black parts of the waveform of pin 1 becomes 0 level.
- 4. Connect an oscilloscope to pin 3 of IC301.
- 5. Adjust L305 (B-Y) so that white and black parts of the waveform of pin 3 becomes 0 level.

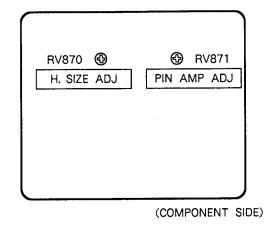


SUB BRT Adjustment (RV302)

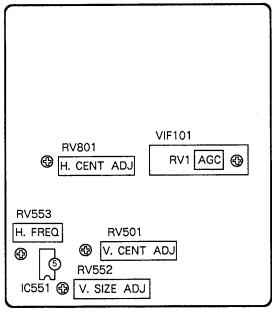
- 1. Input a PAL COLOR BAR signal.
- Set CONTRAST and COLOR volume to a minimum, and set the BRIGHTNESS volume control to the mechanical center.
- 3. Slowly rotate SUB BRT (RV302) until the red portion is faintly illuminated.

4-2, D AND D1 BOARDS ADJUSTMENTS

D1 BOARD



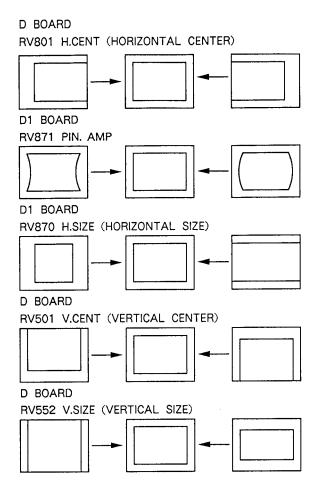
D BOARD



(COMPONENT SIDE)

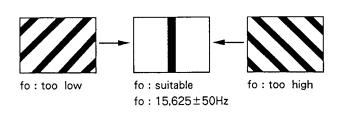
TU AGC (RF AGC)

- 1. Tune in air signals.
- 2. Adjust AGC VR (RF AGC) so that snow-noise and cross-modulation just disappear from the picture.

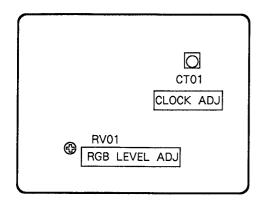


H. FREQ (RV553)

- 1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100 μ /16V) between Pin (§) and GND of IC551.
- 2. Adjust RV553 (H. FREQ) to stop scrolling of the picture in the horizontal direction.
- 3. After adjustment, remove the electrolytic capacitor.



4-3. V BOARD ADJUSTMENTS (KV-M2131D ONLY)



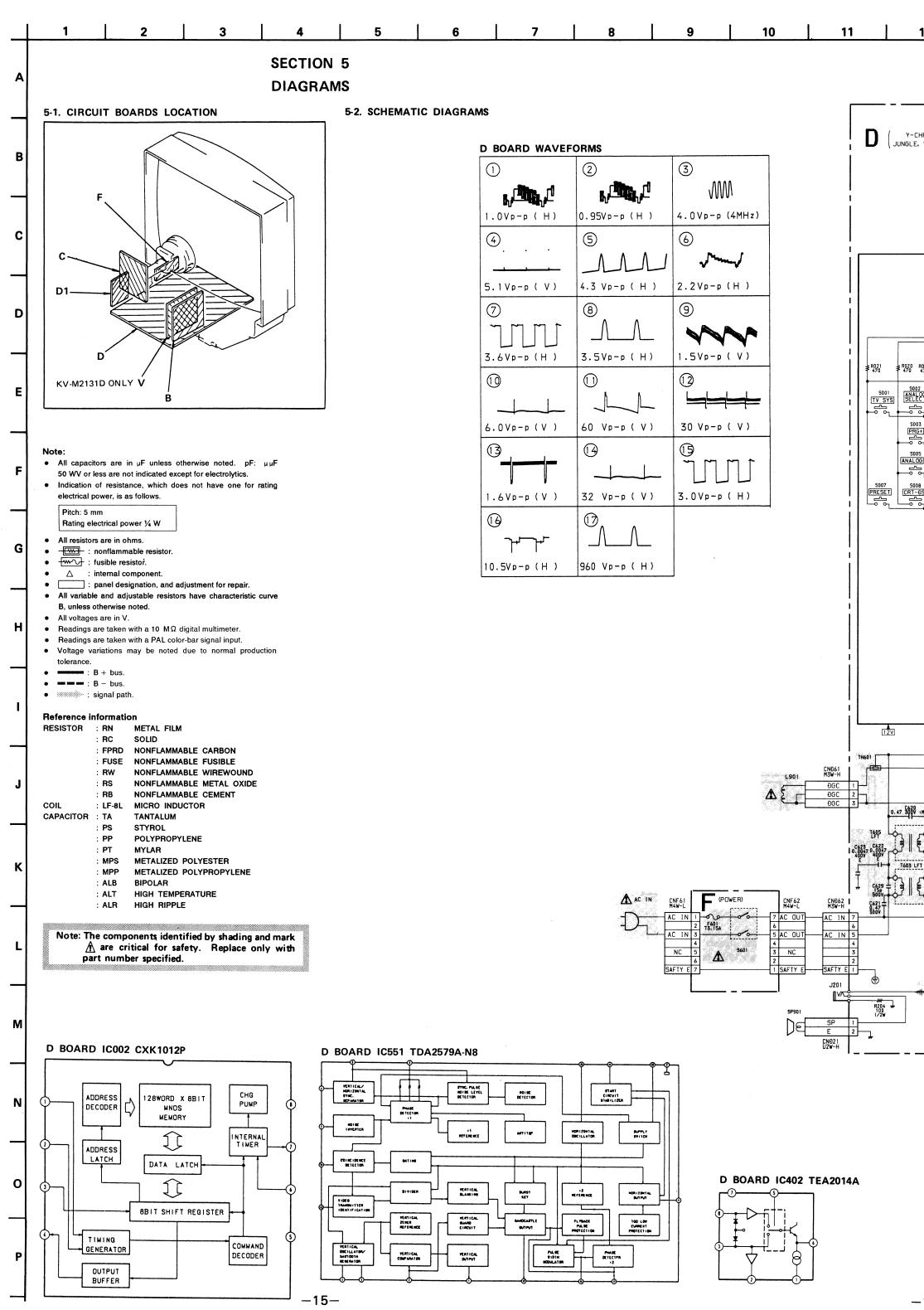
(COMPONENT SIDE)

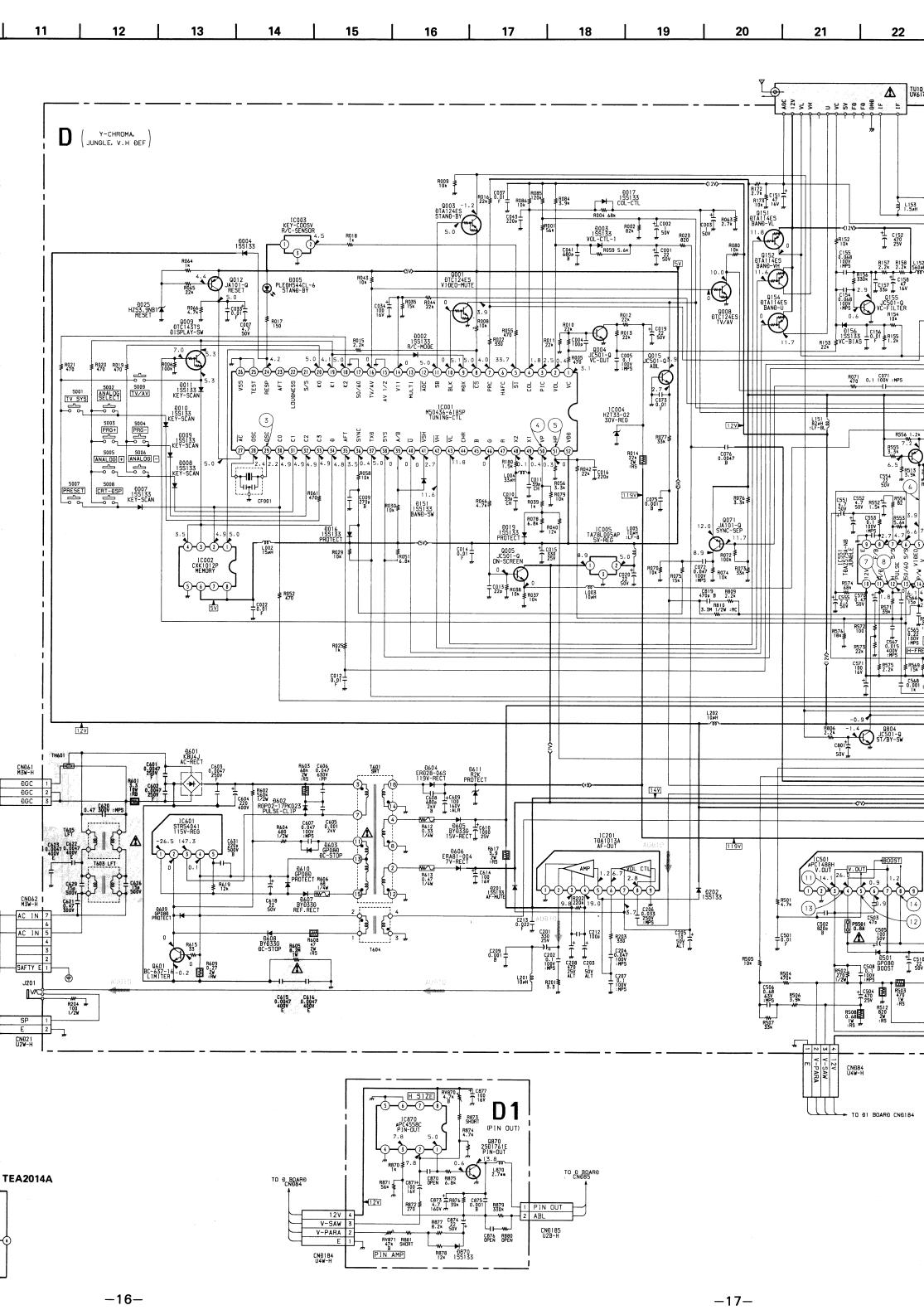
Clock Adjustment (CT01)

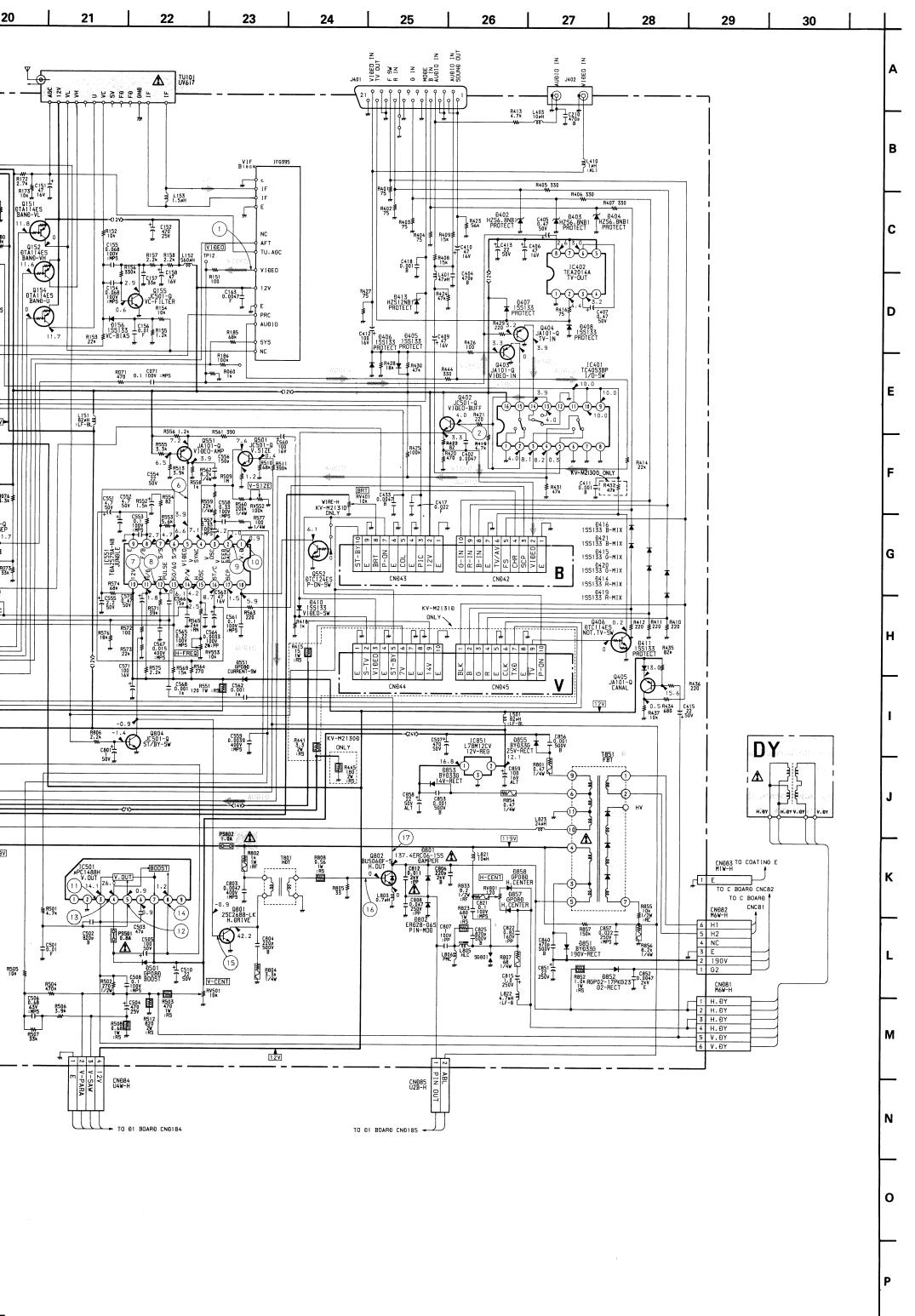
- 1. Raise pin 3 of CNV01.
- 2. Set up the TELE TEXT mode.
- 3. Adjust CT01 to stop the pictures from scrolling.

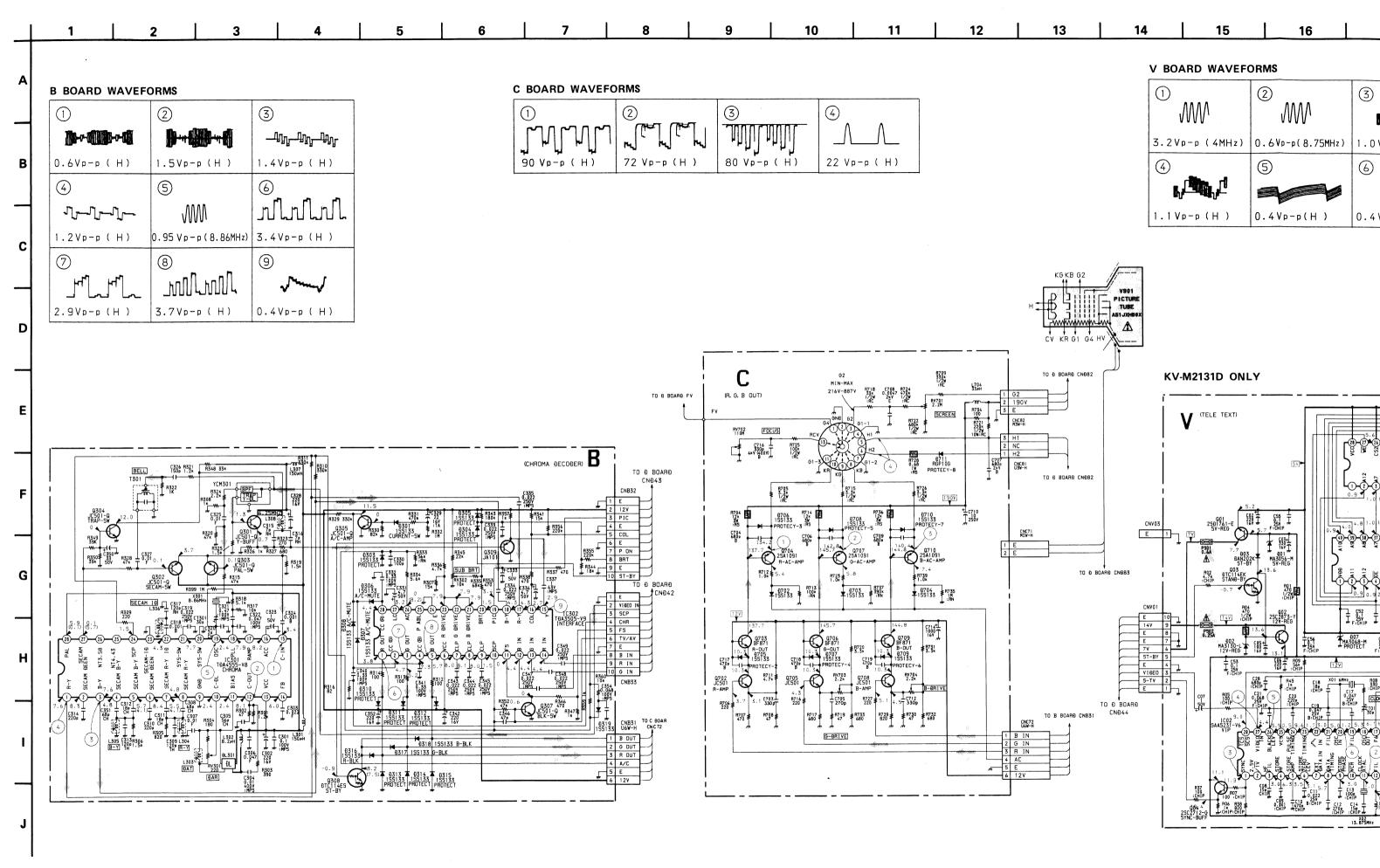
RGB Level Adjustment (RV01)

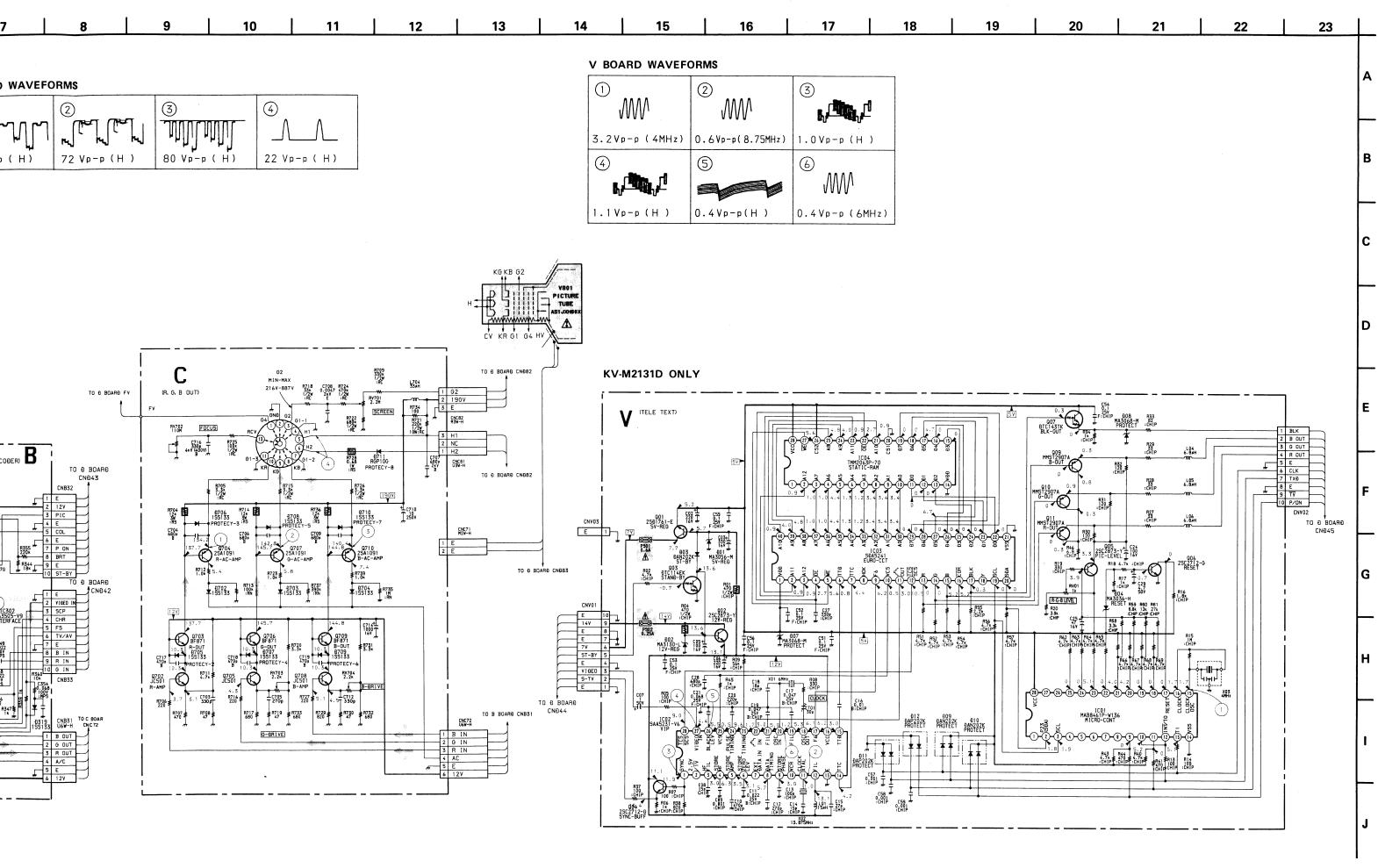
- 1. Set PICTURE to maximum.
- 2. Adjust RV01 till the RGB output becomes maximum.





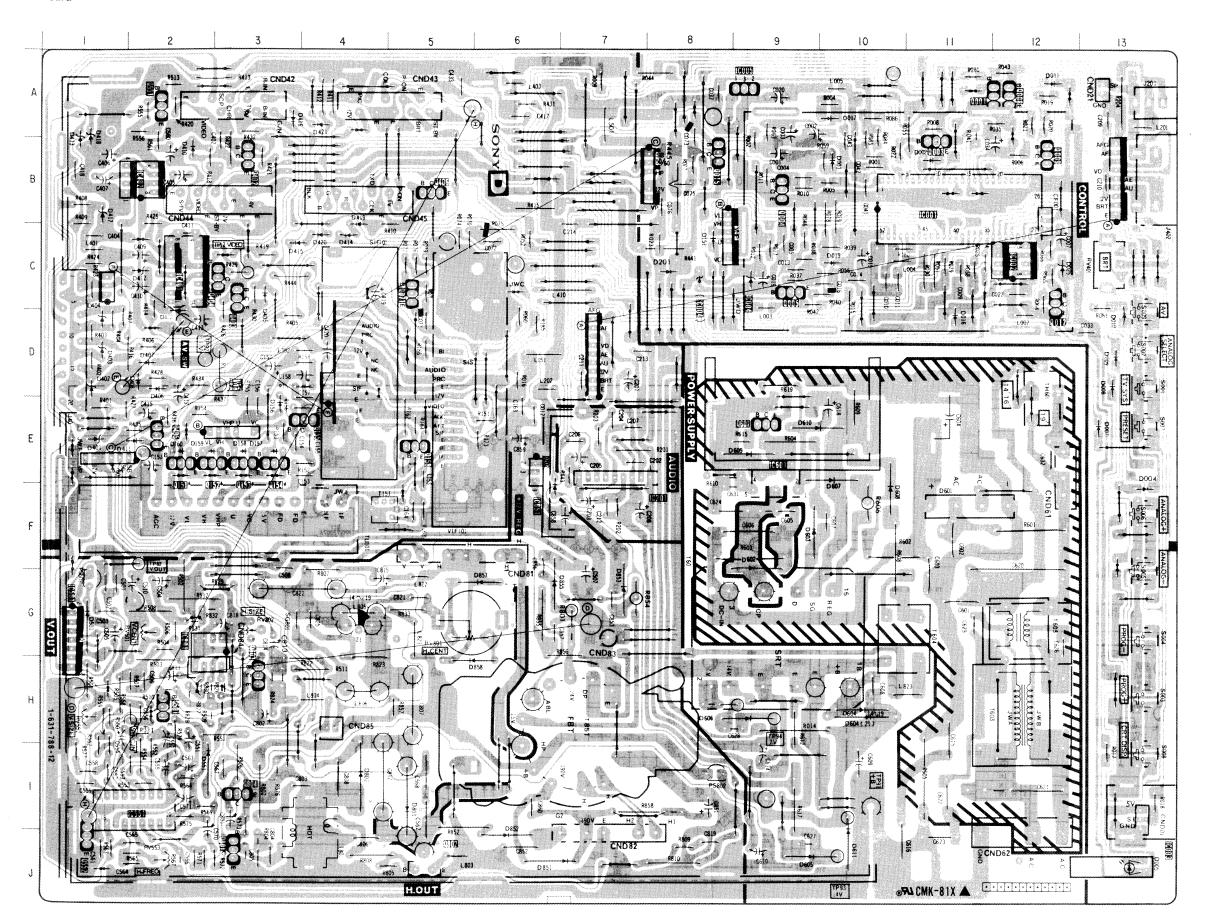






Y-CHROMA JUNGLE, V.H DEF

- D Board -



		,	
	IC	D017	A - 10
IC001 IC002 IC003 IC004	B - 11 C - 11 I - 13 C - 9 A - 9	D019 D025 D151 D156	C - 10 C - 12 C - 8 E - 3
IC201 IC401 IC402	E - 7 C - 2 B - 2	D201 D402 D403 D405 D406	C - 8 D - 1 D - 1 C - 3 D - 2
IC406 IC501	B – 5 G – 1	D407 D408	D - 2 D - 2
IC551 IC601 IC801 IC851	l – 1 E – 9 G – 2 F – 6	D410 D412 D413	B - 2 C - 2 B - 1
			C - 4 C - 3 A - 3
TRAN	TRANSISTOR		A – 3 C – 4 A – 4
Q001 Q003	A - 11 B - 11	D421	A - 4
Q004 Q005 Q008	B - 11 B - 9 C - 9 A - 12	D501 D551 D602 D603	G – 1 I – 2 F – 9 F – 9
Q009 Q012	B - 12 C - 12	D604	H - 10
Q015 Q015 Q071 Q151	B - 8 C - 5 E - 2	D605 D606 D607 D608	J - 10 H - 9 E - 10 F - 10
Q152 Q154	E – 2 E – 3	D609	E – 9
Q155 Q158 Q402	E - 5 E - 5 B - 2	D610 D611 D801 D802	E - 9 I - 10 I - 5 I - 4 J - 7
Q403 Q404	C - 3	D851	J – 7
Q405 Q406 Q501	C - 3 C - 3 E - 2 B - 5 H - 2	D852 D853 D855 D857	J - 6 G - 7 G - 6 F - 6
Q551 Q552	A - 2 J - 1	D858	G – 6
Q601 Q801 Q802	E - 9 J - 3 J - 5		ABLE STOR
Q803 Q804	H – 3 I – 3	RV401 RV501 RV552 RV553	C - 13 G - 2 H - 1 J - 2
DIC	ODE	RV562 RV801	I – 1 G – 5
D002	D002 B – 11		
D003 D004 D005 D007	B - 10 F - 13 J - 13 E - 13		
D008 D009 D010 D011 D016	D - 13 D - 13 D - 13 A - 12 D - 11		



NOTE:

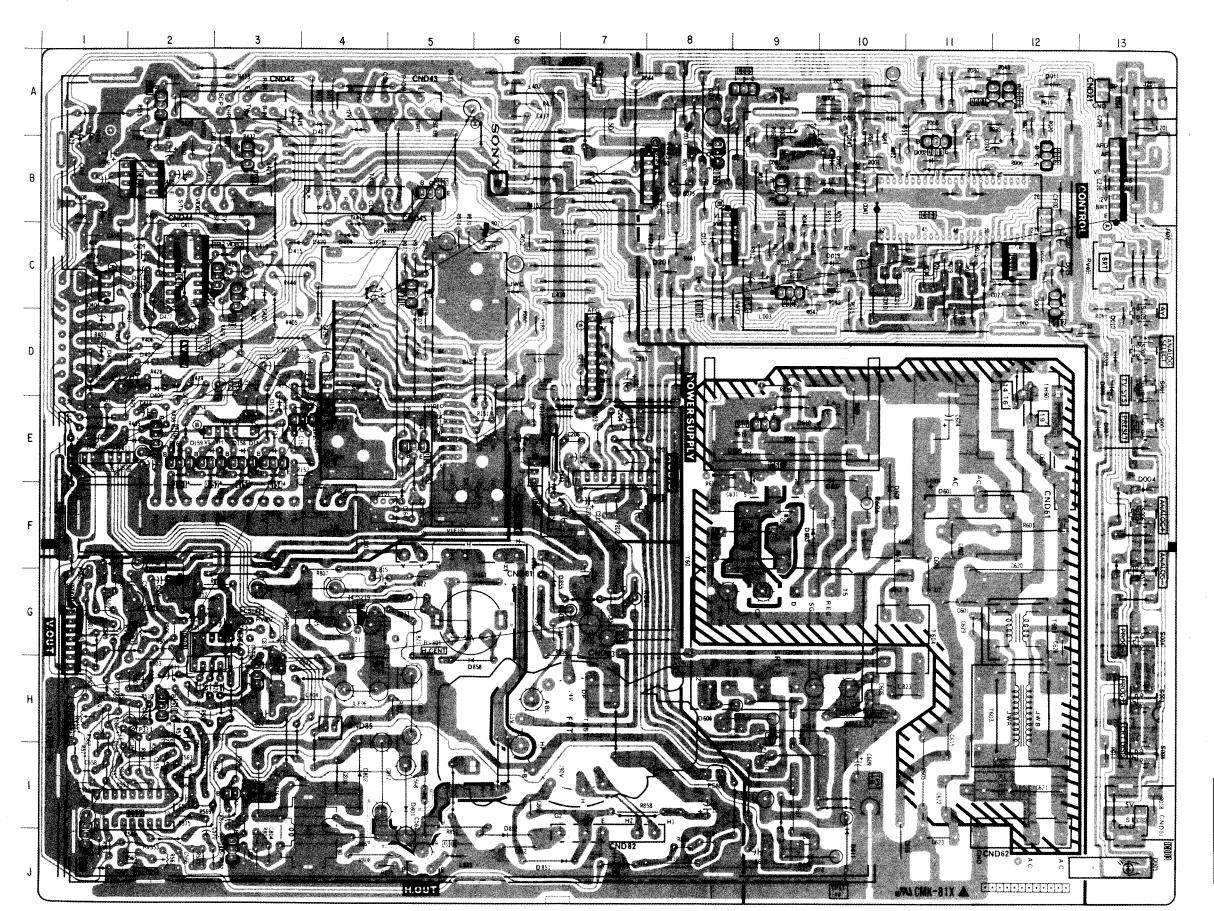
The circuit indicated as left contain 600 Vp-p. Care must be paid to previnspection or repairing.

- D1 Boar

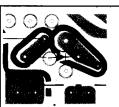
- F Board

Y-CHROMA JUNGLE, V.H DEF

- D Board -



	IC	D017	A - 10 C - 10 C - 12
IC001	B - 11	D019 D025	C - 10
IC002	B-11 C-11 I-13	D151	C 8
IC003	1 – 13	D156	E - 3
IC004 IC005	C - 9 A - 9	D201	C-B
1.0000		D402	C - 8 D - 1 D - 1
IC201	E – 7	D403	D - 1
IC401 IC402	C - 2	D405	C – 3 D – 2
IC406	B – 5	D406	0-2
IC501	E-7 C-2 B-2 B-5 G-1	D407	D - 2
IC551	1 - 1	D408 D410	D - 2 D - 2 B - 2
IC601	E-9	D412	C-2
IC801	i – 1 E – 9 G – 2 F – 6	D413	C - 2 B - 1
IC851	r ~ 6	D414	C 4
		D415	C - 3
TRAN	SISTOR	D416 D420	C-4 C-3 A-3 C-4 A-4
0001	A – 11	D420	A – 4
0003	A - 11 B - 11 B - 9		
Q004	B - 9	D501 D551	G – 1
Q005 Q008	C - 9 A - 12	D602	l – 2 F – 9
"""	0 - 12	D603	F 9
0009	B - 12	D604	H 10
Q012 Q015	C - 12 B - 8	D605	J 10
0071	B - B C - 5	D606	J 10 H 9
Q151	E – 2	D607	E – 10 F – 10
0150	F 2	D608	F – 10 E – 9
Q152 Q154	E – 2 E – 3		
Q155	E – 5	D610	E-9
Q158 Q402	E - 5 B - 2	D611 D801	I – 10 I – 5
4402	0-2	D802	i – 4
Q403	C - 3	D851	J – 7
0404	C - 3	D852	J-6
Q405 Q406	E-2 B-5 H-2	D853	J-6 G-7
Q501	H – 2	D855	G6
0554		D857 D858	F-6 G-6
Q551 Q552	A – 2 J – 1	5000	ا ت
Q601	Ĕ – 9	ļ <u> </u>	
Q801 Q802	A-2 J-1 E-9 J-3 J-5		ABLE
4002	1-5	HES!	STOR
Q803	H-3	RV401	C - 13
Q804	1-3	RV501 RV552	G - 2 H - 1
		RV553	J – 2
DIC	DDE	RV562 RV801	J-2 I-1 G-5
		10001	G-5
D002 D003	B - 11 B - 10		i
D004	F 13		
D005	J – 13		
D007	E - 13		
D008	D - 13		-
D009	D - 13 D - 13		
D010 D011	D - 13 A - 12		
DO16	D - 11		
ч——		L	



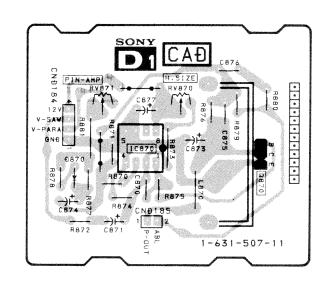
NOTE:

The circuit indicated as left contain 600 Vp-p. Care must be paid to preve inspection or repairing.

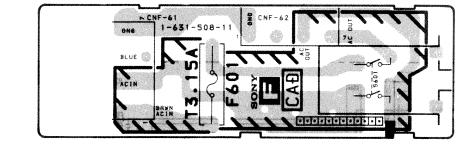
- D1 Boar

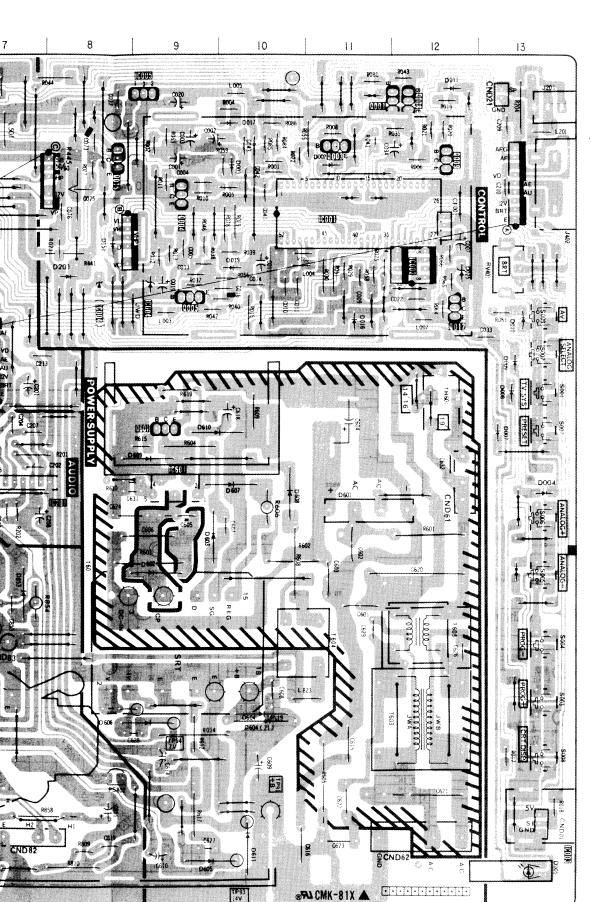
- F Board

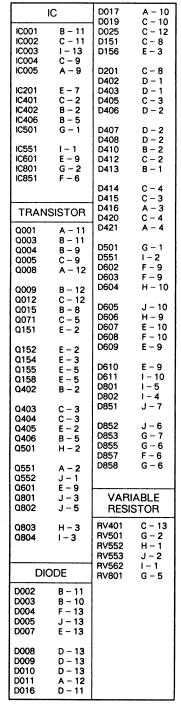




- F Board -









NOTE:

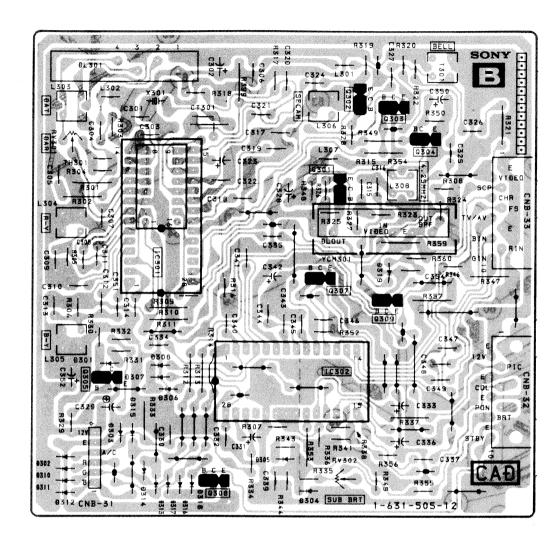
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

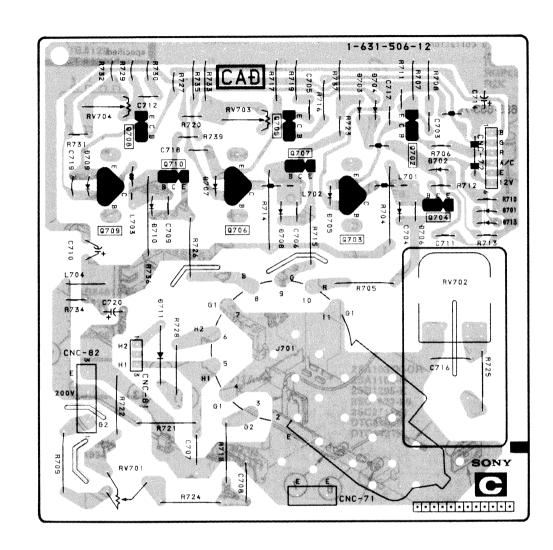


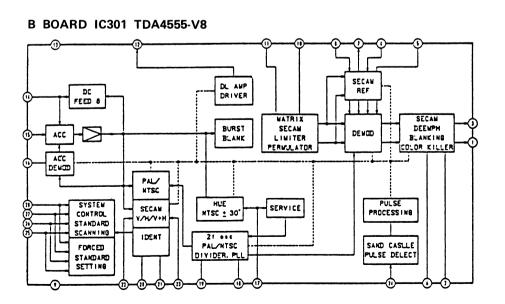


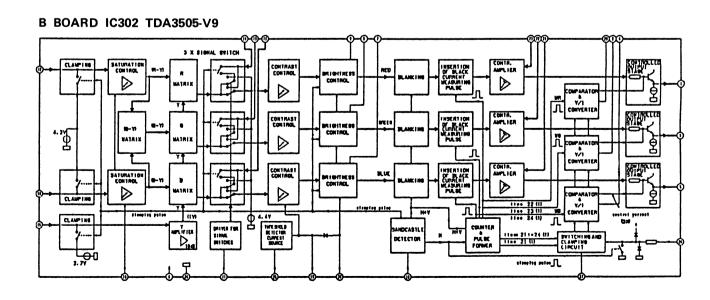
- C Board -

- B Board -

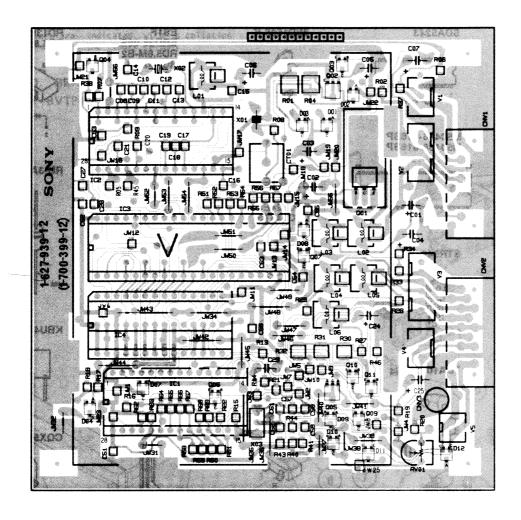








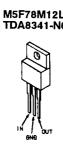
- V Board - (KV-M2131D ONLY)

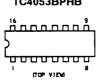


5-4. SEMICONDUCTORS







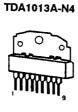


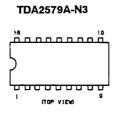












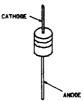








DTA114ES DTA124ES DTC114ES DTC124ES DTC143TS



2SA1037K-OR 2SA1162-G 2SB1295-K 2SC1623-L6 2SC2712-G DTC114EK DTC143TK



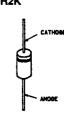




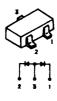
2SC2785-HFE















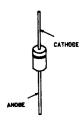




RD3.6M-B2 RD13M-B1 RD6.8M-B2



RU-3AM



KBU4JL-6088



CQX51L-5



SECTION 6 EXPLODED VIEWS

NOTE:

- NOTE:

 Items with no part number and no description are not stocked because they are seldom required for routine service.

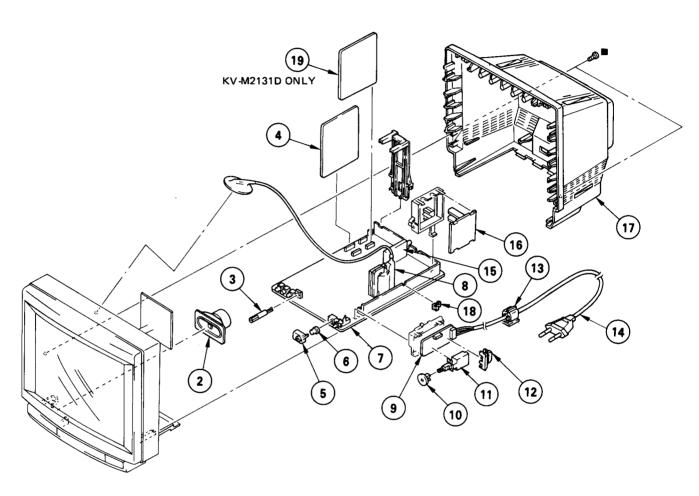
 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety.

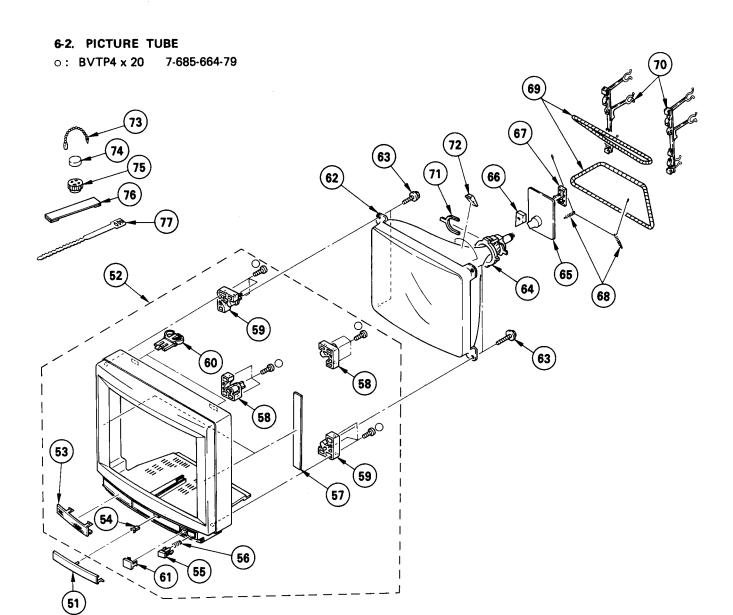
Replace only with part number specified.

6-1. REAR COVER

m: BVTP4 x 16 7-685-663-79



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
2 1-503-258-21 3 4-389-302-01 4 *A-1621-007-A 5 *4-381-686-01 6 *4-374-987-01 7 *A-1642-023-A *A-1642-024-A 8 A 1-439-416-11 9 *1-631-508-11 10 4-386-611-01	BRACKET (B), LIGHT GUIDE, LIGHT D BOARD, COMPLETE D BOARD, COMPLETE	(KV-M2130D ONLY)	13 A 14 A 15 A 16 17 18	.1=571-433-11 *4-386-620-01 .4-389-201-02 .1-559-346-12 .1-463-881-11 *1-631-507-11 4-391-472-02 *3-646-071-00 *A-1347-031-A	SWITCH, PUSH (AC I COVER, POWER HOLDER, AC CORD CORD, POWER (WITH TUNER, ET (UV-617) DI BOARD COVER, REAR HOLDER, WIRE V BOARD, COMPLETE	



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
51	DOOR, CONTROL (KV-M2131D ONLY) CABINET ASSY (WITH BEZEL ASSY) GRILLE, SPEAKER CATCHER, PUSH BUTTON, POWER SPRING, COMPRESSION CUSHION, PICTURE TUBE BRACKET (A), PICTURE TUBE BRACKET (B), PICTURE TUBE HOLDER, REAR COVER PLATE, ORNAMENTAL		65 *A-1330-992-A 66 *4-379-167-01 67 *4-379-160-01 68 4-369-318-00 69 A:1-426-383-11 70 *4-386-622-01 71 1-452-277-00 72 3-704-495-01 73 4-308-870-00 74 1-452-032-00 75 1-452-094-00	MAGNET, BMC SPACER, DY CLIP, LEAD WIRE MAGNET, DISK; 10MM \$ MAGNET, ROTATABLE DISK PERMALLOY ASSY, CONVER	: 15 MM ♦

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

SECTION 7

ELECTRICAL PARTS LIST





NOTE:

The components identified by shading and mark. A are critical for safety.

Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS COILS • MF : μF , PF : $\mu \mu F$ • MMH : ΠH , ΠH , ΠH ; μH

RESISTORS

- All resistors are in ohms
- F : nonflammable

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
*1-631-508-11	F BOARD			D704 D705 D706	8-719-911-19 8-719-911-19 8-719-911-19	DIODE ISS119 DIODE ISS119 DIODE ISS119				
<con< td=""><td>NECTOR></td><td></td><td></td><td>D707</td><td>8-719-911-19</td><td>DIODE 188119</td><td></td><td></td><td></td><td></td></con<>	NECTOR>			D707	8-719-911-19	DIODE 188119				
CNF61 *1-566-664-11 CNF62 *1-566-664-11	PIN, CONNECTOR 4P PIN, CONNECTOR 4P			D708 D709 D710 D711	8-719-911-19 8-719-911-19 8-719-911-19 8-719-300-33	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE RU-3AM				
<fus< td=""><td>E></td><td></td><td></td><td></td><td><jac< td=""><td>W></td><td></td><td></td><td></td><td></td></jac<></td></fus<>	E>				<jac< td=""><td>W></td><td></td><td></td><td></td><td></td></jac<>	W>				
F601 ▲ .1-576-016-11 1-533-087-00	FUSE, GLASS-TUBE (TIME-I HOLDER, FUSE; F601	LAG) 3.1	5A/250V	J701		SOCKET, PICTU	JRE TUB	E		
<swi< td=""><td>TCH></td><td></td><td></td><td></td><td><001</td><td>L></td><td></td><td></td><td></td><td></td></swi<>	TCH>				<001	L>				
S601 A.1-571-433-11	SWITCH, PUSH (AC POWER)	White	1. 1. 1. 1.	L704	1-410-878-11	INDUCTOR	33UH			
***********	*********	******	******		<tra< td=""><td>NSISTOR></td><td></td><td></td><td></td><td></td></tra<>	NSISTOR>				
*A-1330-992-A	C BOARD, COMPLETE			Q702	8-729-119-78	TRANSISTOR 25	SC2785-	HFE		
*4-379-160-01 *4-379-167-01			Q703 Q704 Q705 Q706	8-729-906-70 8-729-200-17 8-729-119-78 8-729-906-70	TRANSISTOR BETRANSISTOR 2STRANSISTOR 2STRANSISTOR BETRANSISTOR BETANSISTOR BET	8871 841091- 8C2785-	0			
<caf< td=""><td>ACITOR></td><td></td><td></td><td>Q707</td><td>8-729-200-17</td><td>TRANSISTOR 25</td><td>SA1091-</td><td>0</td><td></td><td></td></caf<>	ACITOR>			Q707	8-729-200-17	TRANSISTOR 25	SA1091-	0		
C703 1-102-820-00 C704 1-102-116-00 C705 1-102-980-00	CERAMIC 330PF CERAMIC 680PF CERAMIC 270PF	5% 10% 5%	50V 50V 50V	Q708 Q709 Q710	8-729-119-78 8-729-906-70 8-729-200-17	TRANSISTOR 25 TRANSISTOR 25	871	•		
C706 1-102-116-00 C707 1-162-116-00	CERAMIC 680PF CERAMIC 680PF	10 % 10 %	50V 2KV		<res< td=""><td>ISTOR></td><td></td><td></td><td></td><td></td></res<>	ISTOR>				
C708 1-162-114-00 C709 1-102-116-00 C710 1-123-947-00 C712 1-102-820-00 C714 1-124-360-00	CERAMIC 0.0047MF CERAMIC 680PF ELECT 10MF CERAMIC 330PF ELECT 1000MF	10% 20% 5% 20%	2KV 50V 250V 50V 16V	R704 R705 R706 R707 R708	1-216-487-11 1-202-824-00 1-249-409-11 1-249-413-11 1-249-401-11	METAL OXIDE SOLID CARBON CARBON CARBON	12K 3.3K 220 470 47	5% 10% 5% 5%	3W 1/2W 1/4W 1/4W 1/4W	F
C716 1-162-622-11 C717 1-102-114-00 C718 1-102-114-00 C719 1-102-114-00	- CERAMIC 330PF CERAMIC 470PF CERAMIC 470PF CERAMIC 470PF	10% 10% 10% 10%	400V 50V 50V 50V	R709 R711 R712 R713 R714	1-202-844-00 1-249-425-11 1-249-417-11 1-215-469-00 1-216-487-11	SOLID CARBON CARBON METAL METAL OXIDE	330K 4.7K 1K 100K 12K	10% 5% 5% 1% 5%	1/2W 1/4W 1/4W 1/6W 3W	F
<c01< td=""><td>NECTOR></td><td></td><td></td><td>R715</td><td>1-202-824-00</td><td>SOLID</td><td>3.3K 220</td><td>10%</td><td>1/2W 1/4W</td><td></td></c01<>	NECTOR>			R715	1-202-824-00	SOLID	3.3K 220	10%	1/2W 1/4W	
CNC72 *1-560-126-00 CNC81 *1-560-123-00	PIN, CONNECTOR (5MM PIT PLUG, CONNECTOR (2.5MM) PLUG, CONNECTOR (2.5MM) PIN, CONNECTOR (5MM PIT	6P 3 P		R716 R717 R718 R719	1-249-409-11 1-249-415-11 1-202-814-11 1-249-401-11	CARBON CARBON SOLID CARBON	680 33K 47	5% 5% 10% 5%	1/4W 1/4W 1/2W 1/4W	
1 300 103 00	,		R720 R721	1-249-423-11 1-202-842-11	CARBON SOLID	3.3K 220K	5% 10%	1/4W 1/2W		
	DDE>			R722 R723	1-202-848-00 1-249-417-11	SOLID CARBON	680K 1K	10% 5%	1/2W 1/4W	
	DIODE 1SS119 DIODE 1SS119			R724	1-202-846-00	SOLID	470K	10%	1/2W	







REF.N	O. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R725 R726 R727 R728 R729	1-202-824-00 1-249-409-11 1-216-347-11	SOLID CARBON METAL OXIDE	100K 10% 3.3K 10% 220 5% 0.68 5% 820 5%	1/2W 1/2W 1/4W 1W 1/4W	F	R877 R878 R879	1-249-430-11 1-247-891-00	CARBON CARBON	8.2K 5% 12K 5% 330K 5%	1/4W 1/4W 1/4W	
R730 R731 R732 R733 R734	1-249-423-11 1-249-415-11 1-249-415-11	CARBON CARBON CARBON	47 5% 3.3K 5% 680 5% 680 5% 100 5%	1/4W 1/4W 1/4W 1/4W 1/4W		RV871	<pre><var ***********************************<="" 1-230-233-11="" 1-230-236-11="" td=""><td>RES, ADJ, CE</td><td>RAMIC CARBOI RAMIC CARBOI</td><td>N 47K</td><td>******</td></var></pre>	RES, ADJ, CE	RAMIC CARBOI RAMIC CARBOI	N 47K	******
R735 R736 R737 R739	1-216-487-11 1-215-483-00	METAL METAL OXIDE METAL CARBON	1M 1% 12K 5% 390K 1% 1K 5%	1/6W 3W 1/6W 1/4W	F		*A-1347-031-A *4-380-699-01	*******	****		LY)
	<var< td=""><td>IABLE RESISTOR></td><td>•</td><td></td><td></td><td></td><td><cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<></td></var<>	IABLE RESISTOR>	•				<cap< td=""><td>ACITOR></td><td></td><td></td><td></td></cap<>	ACITOR>			
RV70 RV70 RV70	3 1-237-749-11 4 1-237-749-11	RES, ADJ, META RES, ADJ, CARB RES, ADJ, CARB	NL GLAZE 110 BON 2200 BON 2200	MC		C02 C03 C05 C06 C07	1-124-120-11 1-124-119-00 1-126-101-11 1-124-120-11 1-124-791-11		220MF 330MF 100MF 220MF 1MF	20% 20% 20% 20% 20%	16V 16V 16V 16V 50V
****	*1-631-507-11	D1 BOARD	******	*****	******	C08 C09 C10 C11 C12	1-163-097-00 1-163-141-00 1-163-133-00 1-163-037-11 1-163-127-00		0.001MF 470PF 0.022MF	5% 5% 10% 5%	50V 50V 50V 25V 50V
C871 C873 C874 C875 C877	1-126-101-11 1-123-932-00 1-126-233-11 1-102-074-00	ELECT 4 ELECT 2 CERAMIC 0	00MF 1.7MF 1.2MF 1.001MF 000MF	20% 20% 20% 10% 20%	16V 160V 50V 50V 16V	C13 C14 C15 C16 C17	1-163-117-00 1-163-097-00 1-163-103-00 1-164-232-11 1-163-809-11		15PF 27PF 0.01MF	5% 5% 5% 10% 10%	50V 50V 50V 50V 25V
	< CO N	NECTOR>				C18 C19 C20	1-163-099-00 1-163-809-11 1-163-125-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.047MF	5% 10% 5%	50V 25V 50V
CND18	84*1-560-124-00 85*1-560-290-00	PLUG. CONNECTO	IR (2.5MM)	4P		C21 C24	1-163-833-00 1-126-101-11	CERAMIC CHIP ELECT	0.068MF 100MF	20%	25V 16V
D870	<010	DE>	n. (2. Jan 1	rcii)		C25 C27 C28 C29	1-124-477-11 1-163-129-00 1-163-137-00 1-124-927-11	CERAMIC CHIP CERAMIC CHIP ELECT	680PF 4.7MF	20% 5% 5% 20%	16V 50V 50V 50V
D010	8-719-911-19	DIODE 188119				C51 C52	1-163-038-00 1-163-038-00	CERAMIC CHIP	-		25V 25V
I C87(<1 C>) 8-759-945-58						1-163-038-00 1-163-038-00 1-163-038-00 1-163-038-00	CERAMIC CHIP CERAMIC CHIP	0.1MF 0.1MF 0.1MF		25 V 25 V 25 V 25 V 25 V
L870	<001 1-459-105-21	L> COIL(WITH CORE	·)			C57 C58 C59	1-163-141-00 1-163-141-00 1-163-141-00	CERAMIC CHIP	0.001MF	5% 5% 5%	50V 50V 50V
		NSISTOR>					<con!< td=""><td>NECTOR></td><td></td><td></td><td></td></con!<>	NECTOR>			
Q87 0	*4-368-683-01		1585-K			CNV02	*1-565-393-11 *1-565-393-11 *1-508-784-00	CONNECTOR, BO	DARD TO BOAR	D	
R870		ISTOR>	117 59	1 / 401			<trii< td=""><td>MMER></td><td></td><td></td><td></td></trii<>	MMER>			
R871 R872 R874 R875	1-249-417-11 1-249-438-11 1-249-410-11 1-249-425-11 1-249-427-11	CARBON CARBON CARBON	1K 5% 56K 5% 270 5% 4.7K 5% 6.8K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		CT01	1-141-392-11 <d101< td=""><td></td><td>MMER (1 GAN</td><td>G)</td><td></td></d101<>		MMER (1 GAN	G)	
R876	1-249-436-11		39K 5%	1/4W	\ !	D01	8-719-105-91		·B2		



000000000000000000000000000000000000000		***************************************								
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
D02 D03 D04 D07 D08	8-719-400-18 8-719-105-52	DIODE RD13M-B1 DIODE MA152WK DIODE RD3.6M-B2 DIODE RD6.8M-B2 DIODE RD6.8M-B2		JW22 JW23 JW24 JW25	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE	0	5%	1/10W 1/10W 1/10W 1/10W	
D09 D10 D11 D12	8-719-400-18 8-719-914-44	DIODE MAI52WK DIODE MAI52WK DIODE DAP202K DIODE DAP202K		R01 R02 R04 R05 R06	1-218-326-11 1-216-065-00 1-218-326-11 1-216-025-00 1-216-049-00	METAL GLAZE METAL GLAZE METAL GLAZE	470 4.7K 470 100 1K	5% 5% 5% 5%	1/2W 1/10W 1/2W 1/10W 1/10W	
IC1 IC2 IC3	<1C> 8-759-986-92 8-759-972-96 8-759-032-98	IC MAB-8461P-W177 IC SAA5231-V6 IC SDA5243		R07 R08 R09 R13 R14	1-216-025-00 1-216-037-00 1-216-091-00 1-216-025-00 1-216-025-00	METAL GLAZE Metal Glaze	100 330 56K 100 100	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
IC4	8-759-230-68 <coi< td=""><td>IC TMM2063P-70 L></td><td></td><td>R15 R16 R17 R18 R19</td><td>1-216-121-00 1-216-055-00 1-216-049-00 1-216-065-00 1-216-037-00</td><td>METAL GLAZE METAL GLAZE METAL GLAZE</td><td>1M 1.8K 1K 4.7K 330</td><td>5% 5% 5% 5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></coi<>	IC TMM2063P-70 L>		R15 R16 R17 R18 R19	1-216-121-00 1-216-055-00 1-216-049-00 1-216-065-00 1-216-037-00	METAL GLAZE METAL GLAZE METAL GLAZE	1M 1.8K 1K 4.7K 330	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
L01 L04 L05 L06	1-408-411-00 1-408-407-00 1-408-407-00 1-408-407-00	INDUCTOR 6.8UH INDUCTOR 6.8UH INDUCTOR 6.8UH		R20 R27 R28 R29 R30	1-216-063-00 1-216-013-00 1-216-013-00 1-216-013-00 1-218-325-11	METAL GLAZE METAL GLAZE	3.9K 33 33 33 120	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/4W	
PS01 ∆ PS02 ∆		LINK> LINK, IC (ICP-N15) O. LINK, IC 0.25A	6A	R31 R32 R33 R34 R37	1-218-325-11 1-218-325-11 1-216-023-00 1-216-049-00 1-216-025-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	120 120 82 1K 100	5% 5% 5% 5%	1/4W 1/4W 1/10W 1/10W 1/10W	
0.0		NSISTOR>		ļ	1-216-047-00	METAL GLAZE	820 4.7K	5% 5%	1/10W	
Q3 Q01 Q02 Q04 Q05	8-729-107-26 8-729-807-50 8-729-271-22	TRANSISTOR DTC114EK TRANSISTOR 2SD1585-K TRANSISTOR 2SD1623-R TRANSISTOR 2SC2712-G TRANSISTOR 2SD1623-R			1-216-065-00 1-216-041-00 1-216-065-00 1-216-041-00	METAL GLAZE METAL GLAZE	470 4.7K 470	5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
406 407 409 410 411	8-729-807-87 8-729-807-87	TRANSISTOR 2SC2712-G TRANSISTOR DTC143TK TRANSISTOR 2SB1295-UL TRANSISTOR 2SB1295-UL TRANSISTOR 2SB1295-UL	.6	R45 R46 R51 R52 R53	1-216-049-00 1-216-311-00 1-216-065-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE	1K 6.8 4.7K 4.7K 4.7K	5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
JW1	<res< td=""><td>ISTOR> Metal Glaze 0 5</td><td>5% 1/10W</td><td>R54 R55 R56 R57 R58</td><td>1-216-065-00 1-216-057-00 1-216-065-00 1-216-065-00 1-216-061-00</td><td>METAL GLAZE METAL GLAZE</td><td>4.7K 2.2K 4.7K 4.7K 3.3K</td><td>5%</td><td>1/10W 1/10W 1/10W 1/10W 1/10W</td><td></td></res<>	ISTOR> Metal Glaze 0 5	5 % 1/10W	R54 R55 R56 R57 R58	1-216-065-00 1-216-057-00 1-216-065-00 1-216-065-00 1-216-061-00	METAL GLAZE METAL GLAZE	4.7K 2.2K 4.7K 4.7K 3.3K	5%	1/10W 1/10W 1/10W 1/10W 1/10W	
JW2 JW3 JW4 JW5	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00		% 1/10W % 1/10W % 1/10W % 1/10W	R59 R60 R61 R62	1-216-069-00 1-216-076-00 1-216-083-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	6.8K 13K 27K 4.7K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W	
JW6 JW7 JW8 JW9 JW10	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE O E METAL GLAZE O E METAL GLAZE O E METAL GLAZE O METAL GLAZE O E	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 1/10W	R63 R64 R65 R66 R67	1-216-065-00 1-216-065-00 1-216-065-00 1-216-057-00 1-216-057-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	4.7K 4.7K 4.7K 2.2K	5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W	
JW11 JW12 JW13 JW14 JW15	1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE O	5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W 5% 1/10W	R68	1-216-057-00 1-216-057-00	METAL GLAZE	2.2K 2.2K 2.2K	5% 5% 5%	1/10W 1/10W	
JW16 JW17	1-216-295-00 1-216-295-00		5% 1/10W 5% 1/10W	RV01		NABLE RESISTOR RES, ADJ, CAF				
JW18 JW19 JW20	1-216-295-00 1-216-295-00 1-216-295-00	METAL GLAZE 0 METAL GLAZE 0 METAL GLAZE 0	5% 1/10W 5% 1/10W 5% 1/10W		<cry< td=""><td>'STAL></td><td></td><td></td><td></td><td></td></cry<>	'STAL>				
JW21	1-216-295-00	METAL GLAZE 0	5% 1/10W	X01	1-567-162-00	OSCILLATOR, O	CRYSTAL			





REF.NO.	PART NO.	DESCRIPTION	[REMARK	REF.NO.	PART NO.	DESCRIPTI	ON			REMARK
X02 X03 *****	1-567-495-11 1-577-082-11	VIBRATOR, CE	RAMIC	*****	******	CNB32	*1-560-126-00 *1-565-393-11 *1-565-393-11	CONNECTOR	ROARD T	O BOARD	р	
	*A-1621-007-A	B BOARD, COM				 	<tri< td=""><td>MMER></td><td></td><td></td><td></td><td></td></tri<>	MMER>				
	<cap< td=""><td>ACITOR></td><td></td><td></td><td></td><td>CT301</td><td>1-141-392-11</td><td>CAP, VAR,</td><td>TRIMMER</td><td>(1 GANG</td><td>)</td><td></td></cap<>	ACITOR>				CT301	1-141-392-11	CAP, VAR,	TRIMMER	(1 GANG)	
C301 C302 C303 C304 C305	1-106-367-00	ELECT CERAMIC	0.1MF 220MF 0.022MF 0.01MF 56PF	10% 20% 10% 5%	100V 16V 50V 400V 50V	D301 D303 D304	<pre><dio 8-719-911-19="" 8-719-911-19<="" pre=""></dio></pre>	DIODE 1SS1	19			
C306 C307 C308 C309 C310	1-101-004-00 1-101-888-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.047MF 0.01MF 68PF 120PF 220PF	5% 5% 5%	50V 50V 50V 50V 50V	D305 D306 D307 D308 D310	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS1 DIODE 1SS1 DIODE 1SS1 DIODE 1SS1 DIODE 1SS1	19 19 19			
C311 C312	1-102-953-00	CERAMIC	18PF		507	D311 D312	8-719-911-19 8-719-911-19 8-719-911-19		19			
C313 C314 C315	1-102-978-00 1-102-944-00	CERAMIC CERAMIC CERAMIC CERAMIC	18PF 120PF 220PF 7PF	5% 5% 5% 0.5PF	50V 50V 50V	D313 D314 D315 D316	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1881 DIODE 1881 DIODE 1881	19 19 19			
C316 C317 C318 C319 C320	1-102-816-00	CERAMIC CERAMIC CERAMIC MYLAR CERAMIC	7PF 120PF 0.001MF 0.022MF 2PF	0.5PF 5% 10% 10% 0.25PF	50V 50V 50V 250V 50V	D317 D318 D319	8-719-911-19 8-719-911-19 8-719-911-19		19			
C321 C322 C323 C324 C325	1-130-785-11 1-106-383-00 1-124-791-11 1-102-074-00 1-101-004-00	MYLAR	0.47MF 0.047MF 1MF 0.001MF 0.01MF	10% 10% 20% 10%	100V 100V 50V 50V 50V	DL301	<del 1-415-122-31</del 	AY LINE> DELAY LINE				
C326 C327 C328 C329 C330	1-101-004-00 1-124-120-11 1-131-367-00	CERAMIC CERAMIC ELECT TANTALUM CERAMIC	150PF 0.01MF 220MF 22MF 100PF	5% 20% 10% 5%	50V 50V 16V 16V 50V	I C301 I C302	<1C> 8-759-947-20 8-759-947-19	IC TDA4555 IC TDA3505	-V8 -V9			
C331 C332		ELECT	4.7MF 0.33MF	20% 10%	50V 100V	L 3 01	<01 1-408-423-00		150	ш		
C333 C334 C335	1-124-791-11 1-106-375-12 1-106-375-12	ELECT Mylar Mylar	1MF 0.022MF 0.022MF	20% 10% 10%	50V 250V 250V	L302	1-408-409-00 1-404-539-11 1-404-554-11 1-404-554-11	INDUCTOR	1001			
C336 C337 C339 C340 C341	1-124-927-11 1-130-834-00 1-106-375-12 1-130-783-00 1-130-783-00	ELECT Mylar Mylar Mylar Mylar Mylar	4.7MF 1MF 0.022MF 0.33MF 0.33MF	20% 10% 10% 10% 10%	50V 63V 250V 100V 100V	L306 L307 L308	1-404-554-11 1-408-423-00 1-404-495-00	COIL INDUCTOR COIL	1500	JH		
C342 C343	1-124-120-11 1-106-375-12	ELECT Mylar	220MF 0.022MF	20% 10%	16V 250V			NSISTOR>				
C344 C345 C346	1-106-375-12 1-106-375-12 1-101-880-00	MYLAR MYLAR CERAMIC	0.022MF 0.022MF 47PF	10% 10% 5%	250V 250V 50V	Q301 Q302 Q303 Q304	8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785- 2SC2785- 2SC2785-	HFE HFE HFE		
C347 C348 C349 C350 C351	1-106-375-12 1-106-375-12 1-106-375-12 1-124-917-11 1-101-888-00	MYLAR MYLAR MYLAR BLECT CERAMIC	0.022MF 0.022MF 0.022MF 33MF 68PF	10% 10% 10% 20% 5%	250V 250V 250V 50V 50V	Q305 Q307 Q308 Q309	8-729-119-78 8-729-119-78 8-729-900-80 8-729-173-38	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785- DTC114ES	HFE		
C352 C354	1-124-120-11 1-106-216-00	ELECT Mylar	220MF 0.068MF	20% 10%	16V 100V		<res< td=""><td>STOR></td><td></td><td></td><td></td><td></td></res<>	STOR>				
	<coni< td=""><td>NECTOR></td><td></td><td></td><td></td><td>R301 R302</td><td>1-249-418-11 1-249-401-11</td><td>CARBON CARBON</td><td>1.2K 47</td><td>5% 5%</td><td>1/4W 1/4W</td><td></td></coni<>	NECTOR>				R301 R302	1-249-418-11 1-249-401-11	CARBON CARBON	1.2K 47	5% 5%	1/4W 1/4W	





REF.NO.	. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTI	ON 		REMARK
R303 R304 R305 R306 R307	1-249-412-11 1-249-408-11 1-249-416-11 1-249-419-11 1-249-431-11	CARBON CARBON CARBON CARBON CARBON	390 180 820 1.5K 15K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		X301	<cry 1-567-131-00</cry 	YSTAL> OSCILLATOR	, CRYSTAL		
R308 R309 R310 R311	1-249-417-11 1-249-409-11 1-247-891-00	CARBON CARBON CARBON CARBON CARBON	1 K 220 330 K 330 K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W		}	1-235-753-21				
R312 R313 R314 R315	1-247-891-00 1-249-405-11 1-249-405-11 1-249-405-11 1-249-437-11	CARBON CARBON CARBON CARBON	100 100 100 47K	55 55555555555555555555555555555555555	1/4W 1/4W 1/4W 1/4W 1/4W		 	*A-1642-023-A *A-1642-024-A	D BOARD, CO	OMPLETE (KV-1 ******* OMPLETE (KV-1	4 21 3 0D 0	ONLY)
R316 R317 R318 R319	1-249-404-00 1-249-429-11 1-247-848-11 1-249-419-11	CARBON CARBON CARBON CARBON	82 10K 5.1K 1.5K		1/4W 1/4W 1/4W 1/4W		 	*4-341-751-01 *4-341-752-01	EYELET			
R320 R321 R322	1-249-437-11 1-249-418-11 1-249-417-11	CARBON CARBON CARBON	47K 1.2K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W		C001	1-126-233-11	'ACITOR> ELECT	22 M F	20%	50V
R323 R324 R325 R326	1-249-410-11 1-249-421-11 1-249-419-11 1-249-417-11	CARBON CARBON CARBON CARBON	270 2.2K 1.5K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		C002 C003 C004 C005	1-124-791-11 1-124-791-11 1-102-973-00 1-106-220-00	ELECT ELECT	1MF 1MF 100PF 0.1MF	20% 20% 5% 10%	50V 50V 50V 100V
R327 R328 R329 R330	1-249-415-11 1-249-437-11 1-247-891-00 1-249-440-11	CARBON CARBON CARBON CARBON	680	5% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W 1/4W		C007 C009 C010 C011 C012	1-102-965-00 1-102-965-00	CERAMIC CERAMIC	4.7MF 270PF 39PF 39PF 0.01MF	20% 10% 5% 5%	50 V 50 V 50 V 50 V 50 V
R331 R332 R333 R334 R335	1-247-895-00 1-247-903-00 1-214-907-00 1-249-426-11 1-249-439-11	CARBON CARBON METAL CARBON CARBON	470K 1M 56K 5.6K 68K	5% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W W 1/4W 1/4W		C013 C014 C015 C016	1-102-959-00 1-101-004-00 1-124-479-11 1-102-978-00	CERAMIC ELECT CERAMIC	22PF 0.01MF 330MF 220PF	5% 20% 5%	50 V 50 V 25 V 50 V
R336 R337 R338	1-249-425-11 1-249-413-11 1-249-413-11	CARBON CARBON CARBON	4.7K 470 470		1/4W 1/4W 1/4W		C019 C020 C022 C033	1-126-233-11 1-126-233-11 1-101-004-00 1-101-004-00	CERAMIC	22MF 22MF 0.01MF 0.01MF	20% 20%	50V 50V 50V 50V
R341 R343 R344 R345	1-249-431-11 1-247-885-00 1-249-432-11 1-249-433-11	CARBON CARBON CARBON CARBON	15K 180K 18K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		C034 C037	1-126-101-11 1-101-004-00 1-102-116-00	ELECT CERAMIC CERAMIC	100MF 0.01MF 680PF	20% 10%	16V 50V 50V
R346 R347 R348 R349	1-249-417-11 1-249-435-11 1-249-436-11	CARBON CARBON	470 1K 33K 39K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	1	C043 C071 C072 C073	1-106-383-00 1-101-004-00	MYLAR MYLAR CERAMIC	220PF 0.1MF 0.047MF 0.01MF	5% 10% 10%	50 V 100 V 100 V 50 V
R350 R352 R353 R355 R356	1-249-436-11 1-249-437-11 1-249-413-11 1-247-887-00 1-247-887-00	CARBON CARBON CARBON CARBON CARBON	39K 47K 470 220K 220K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C075 C076 C151 C152 C154	1-102-074-00 1-102-125-00 1-124-477-11 1-124-480-11 1-106-216-00	CERAMIC CERAMIC BLECT BLECT MYLAR	0.001MF 0.0047MF 47MF 470MF 0.068MF	10% 10% 20% 20% 10%	50V 50V 16V 25V 100V
R357 R359 R360 R399	1-249-417-11 1-249-417-11 1-249-429-11 1-247-903-00	CARBON CARBON CARBON CARBON	1 K 1 O K 1 M	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		C155 C156 C157 C158 C163	1-106-216-00 1-101-004-00 1-102-963-00 1-124-477-11 1-101-003-00	MYLAR CERAMIC CERAMIC ELECT CERAMIC	0.068MF 0.01MF 33PF 47MF 0.0047MF	10% 5% 20%	100V 50V 50V 16V 50V
D		IABLE RESISTOR					C201 C202 C203	1-124-479-11 1-106-220-00 1-124-791-11	ELECT Mylar Elect	330MF 0.1MF 1MF	20% 10% 20%	25V 100V 50V
RV301 RV302	1-238-009-11 1-238-016-11						C204 C205	1-106-383-00 1-123-875-11	MYLAR Elect	Ö.047MF 10MF	10% 20%	100 V 50 V
T301	<tra< td=""><td>NSFORMER></td><td></td><td></td><td></td><td></td><td>C206 C207 C208 C209</td><td>1-106-379-12 1-106-220-00 1-126-104-11 1-102-074-00</td><td>MYLAR MYLAR ELECT CERAMIC</td><td>0.033MF 0.1MF 470MF 0.001MF</td><td>10% 10% 20% 10%</td><td>250 V 100 V 25 V 50 V</td></tra<>	NSFORMER>					C206 C207 C208 C209	1-106-379-12 1-106-220-00 1-126-104-11 1-102-074-00	MYLAR MYLAR ELECT CERAMIC	0.033MF 0.1MF 470MF 0.001MF	10% 10% 20% 10%	250 V 100 V 25 V 50 V



REF.NO	. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	!		REMARK
C210 C212 C213 C402 C404	1-102-114-00 1-102-973-00 1-101-005-00 1-101-003-00 1-102-114-00	CERAMIC	470PF 100PF 0.022MF 0.0047MF 470PF	10% 5%	50V 50V 50V 50V 50V		. 1-162-578-51 . 1-102-316-91 . 1-102-316-91 1-102-244-00 1-161-753-00	CERAMIC CERAMIC CERAMIC			500V 500V 500V 500V 3KV
C405 C406 C407 C409 C410	1-124-902-00 1-124-477-11 1-124-902-00 1-124-477-11 1-124-477-11	BLECT BLECT BLECT BLECT BLECT	0.47MF 47MF 0.47MF 47MF 47MF	20% 20% 20% 20% 20%	50V 16V 50V 16V 16V	C801 C803 C804 C806 A	1-104-791-11 1-106-359-00 1-102-244-00 1-162-131-11 1-136-933-11	ELECT MYLAR CERAMIC CERAMIC	1MF 0.0047MF 220PF	20% 10% 10%	50V 400V 500V 2KV
C411 C412 C413 C415 C417	1-102-074-00 1-126-101-11 1-126-233-11 1-126-233-11 1-101-005-00	ELECT ELECT	0.001MF 100MF 22MF 22MF 0.022MF	10% 20% 20% 20%	50V 16V 50V 50V 50V	C808	1-136-187-11 1-136-080-11 1-124-634-11 1-102-114-00	FILM FILM BLECT CRRAMIC	0.047MF	10% 3% 20% 10%	250V 2KV 250V 50V
C418 C423 C433 C501 C502	1-102-074-00 1-102-114-00 1-102-125-00 1-101-004-00 1-102-117-00		0.001MF 470PF 0.0047MF 0.01MF 820PF	10% 10% 10%	50V 50V 50V 50V 50V	C822 C825 C851 C852	1-106-220-00 1-136-540-11 1-102-212-00 1-123-948-00 1-162-114-00	CERAMIC ELECT CERAMIC	0.82MF 820PF 22MF 0.0047MF	10% 5% 10% 20%	100V 160V 500V 250V 2KV
C503 C504 C505 C506 C507	1-101-880-00 1-124-480-11 1-124-122-11 1-130-902-00 1-124-913-11	ELECT Mylar	47PF 470MF 100MF 0.68MF 470MF	5% 20% 20% 10% 20%	50V 25V 50V 63V 50V	C853 C856 C857 C858 C859	1-162-318-11 1-162-318-11 1-106-375-12 1-126-233-11 1-126-101-11	CERAMIC MYLAR ELECT ELECT	0.001MF 0.001MF 0.022MF 22MF 100MF	10% 10% 10% 20% 20% 10%	500V 500V 250V 50V
C508 C510 C551 C552 C553	1-106-220-00 1-126-233-11 1-124-927-11 1-124-927-11 1-106-220-00	ELECT ELECT ELECT	0.1MF 22MF 4.7MF 4.7MF 0.1MF	10% 20% 20% 20% 10%	100V 50V 50V 50V 100V	C860 CF001	1-102-228-00 <fil 1-577-082-11</fil 	TER>	470PF CRAMIC	10%	500 V
C554 C555 C556 C557 C558	1-126-233-11 1-124-925-11 1-101-361-00 1-130-783-00 1-130-783-00	ELECT ELECT CERAMIC MYLAR MYLAR	22MF 2.2MF 150PF 0.33MF 0.33MF	20% 20% 5% 10% 10%	50V 50V 50V 100V 100V	! CND42	*1-560-290-00 *1-565-394-11	PIN. BOARD T	O BOARD CON	IECTOR	
C559 C560 C561 C562 C563	1-106-357-00 1-126-101-11 1-106-220-00 1-164-143-11 1-124-477-11	ELECT Mylar	0.0039MF 100MF 0.1MF 0.001MF 47MF	10% 20% 10% 10% 20%	400V 16V 100V 1KV 16V	CND45	*1-565-394-11 *1-565-394-11 *1-565-394-11	PIN, BOARD T	O BOARD CON	(KV-M2) Iector (KV-M2)	131D ONLY) 131D ONLY)
C564 C565 C566 C567 C568	1-136-298-00 1-106-228-00 1-102-951-00 1-106-371-00 1-164-143-11	MYLAR Ceramic	0.0033MF 0.22MF 15PF 0.015MF 0.001MF	2% 10% 5% 10% 10%	100V 100V 50V 400V 1KV	CND62 CND81	*1-508-765-00 *1-565-458-11 *1-568-536-11 *1-508-768-00 *1-508-784-00	PIN, CONNECT PLUG (MINIAT	OR 3P URE DY) 6P		
C570 C571 C601 A C602 A C603	1-124-902-00 1-126-101-11 1-161-964-61 1-161-964-61 1-161-964-61	ELECT ELECT CERAMIC CERAMIC CERAMIC	0.47MF 100MF 0.0047MF 0.0047MF 0.0047MF	20% 20%	50V 16V 250V 250V 250V	CND84	*1-560-124-00 *1-560-290-00 <d10< td=""><td>PLUG, CONNEC PLUG, CONNEC</td><td>TOR (2.5MM)</td><td>4P</td><td></td></d10<>	PLUG, CONNEC PLUG, CONNEC	TOR (2.5MM)	4P	
C604 C605 C606 C607 C608	1-125-318-00 1-161-754-00 1-136-637-11 1-106-383-00 1-162-116-00	ELECT (BLOCK) CERAMIC FILM MYLAR CERAMIC		20% 10% 10% 10% 10%	400V 2KV 630V 100V 2KV	D002 D003 D004 D005	8-719-911-19 8-719-911-19 8-719-911-19 8-719-312-99 8-719-970-79	DIODE 1SS119 DIODE 1SS119 DIODE SEL121 DIODE PLED-H	OR-CD (KV-M2		
C609 C610 C614 C615 A	1-124-347-00 1-124-557-11 1-126-101-11 1-162-578-51 1-162-578-51	ELECT ELECT ELECT CERANIC	100MF 1000MF 100MF 0.0047MF	20% 20% 20% 20% 20%	160V 25V 16V 400V	D007 D008 D009 D010	*4-389-319-01 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	HOLDER, LED; DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			
C618 C620 A C621 A	1-126-233-11 1-136-519-11 1-136-519-11 1-162-578-51	ELECT FILM	22MF 0.47MF 0.47MP 0.0047MF	20%	50V 300V 300V 400V	D011 D016 D017 D019 D025	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-109-71	D10DE 1SS119 D10DE 1SS119 D10DE 1SS119 D10DE 1SS119 D10DE RD3.9E	S-B1		



REF.NO. PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
D151 8-719-911-19 D156 8-719-911-19 D201 8-719-911-19 D202 8-719-911-19 D402 8-719-109-96	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		J201 J401 J402	1-507-678-00 1-561-534-00 1-563-500-11	SOCKET 21P JACK BLOCK, P	IN (L TYPE) :	2P
D405 8-719-911-19	DIODE RD6.8ES-B1 DIODE 1SS119 DIODE 1SS119		L002 1 1 3 3 1 2004 1 1005 1 1151	1-408-411-00 1-408-409-00 1-408-415-00	INDUCTOR INDUCTOR	15UH 10UH 33UH 10UH 82UH	
D408 8-719-911-19 D410 8-719-911-19 D411 8-719-911-19 D413 8-719-9110-30 D414 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE RD12ES-B1 DIODE 1SS119		L152 L153 L201 L202 L401	1-410-683-31 1-408-399-00 1-408-409-00 1-408-409-00 1-408-417-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR	560UH 1.5UH 10UH 10UH 47UH	
D415 8-719-911-19 D416 8-719-911-19 D419 8-719-911-19 D420 8-719-911-19 D421 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		L403 L410 L501 L803 L805	1-408-409-00 1-410-316-11 1-408-226-00 1-407-365-00 1-459-652-12	INDUCTOR INDUCTOR INDUCTOR COIL, CHOKE HLC	10UH 1UH 82UH	
D501 8-719-911-55 D551 8-719-911-55 D601 8-719-946-90 D602 8-719-300-65 D603 8-719-911-55	DIODE UO5G DIODE UO5G DIODE KBU4JL-6088 DIODE ES1F DIODE UO5G		L806 L821 L822 L823	1-459-390-00 1-459-104-00 1-410-067-21	COIL (WITH CO COIL, DUST CO INDUCTOR COIL, FERRITE	RE 4.7MMH	
D604 8-719-928-08 D605 8-719-950-57 D606 8-719-980-78 D607 8-719-950-57 D608 8-719-950-57	DIODE ERD28-08S DIODE BYD33G DIODE ERA83-006 DIODE BYD33G DIODE BYD33G		PS5014 PS8024		LINK> LINK, IC 0.8A LINK, IC 1A	昭和215 1126年 西疆南部 - 115-25	在"可能数元"。 《中联》中,"一"(2) 《中联》中,"一"(2)
D609 8-719-911-55 D610 8-719-911-55 D611 8-719-312-40 D801 8-719-945-80 D802 8-719-928-08	DIODE U05G DIODE U05G DIODE R2K DIODE ERC06-15S DIODE ERD28-08S		0001 0003	8-729-900-36 8-729-900-63	NSISTOR> TRANSISTOR DT	A124ES	
D851 8-719-950-57 D852 8-719-300-65 D853 8-719-950-57 D855 8-719-950-57 D857 8-719-911-55	DIODE BYD33G DIODE BYD33G		Q004 Q005 Q008 Q009 Q012	8-729-119-78 8-729-119-78 8-729-900-36 8-729-900-74 8-729-173-38	TRANSISTOR 2S TRANSISTOR DT TRANSISTOR DT TRANSISTOR DT TRANSISTOR 2S	C2785-HFE C124ES C143TS A733-K	
D858 8-719-911-55			Q015 Q071 Q151	8-729-119-78 8-729-173-38	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR DT	C2785-HFE A733-K	
IC001 8-759-630-92 IC002 8-752-330-60 IC003 8-749-920-65 IC004 8-759-157-40 IC005 8-759-982-21	IC M50436-616SP IC CXK1012P IC KEY-COOSV IC UPC574J IC RC78L05A		Q152 Q154 Q155 Q158 Q402 Q403	8-729-900-61 8-729-119-78 8-729-901-59 8-729-119-78 8-729-173-38	TRANSISTOR DT TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	A114ES C2785-HFE 199 C2785-HFE A733-K	
IC201 8-759-980-45 IC401 8-759-040-53 IC402 8-759-946-32 IC501 8-759-113-05 *4-368-683-01	IC TDA1013A-N4 IC MC14053BCP IC TEA2014A IC UPC1488H SPRING; IC501		Q404 Q405 Q406 Q501 Q551	8-729-173-38 8-729-173-38 8-729-900-80 8-729-119-78 8-729-173-38	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S	A733-K C114ES C2785-HFE A733-K	
IC551 8-759-991-46 IC601 8-749-901-65 4-365-216-00 *4-368-683-01 IC851 8-759-604-39	IC TDA2579A-N8 IC STR54041 SPACER, MICA; IC601 SPRING; IC601 IC M5F78M12L		Q552 Q601 Q801 Q802	8-729-900-36 8-729-906-74 8-729-119-80 8-729-926-44 *4-389-343-01	TRANSISTOR DT TRANSISTOR BC TRANSISTOR 2S TRANSISTOR BU SPRING; Q802	637-16 C2688-LK	
	SPRING; IC851		Q804	8-729-119-78	TRANSISTOR 2S	C2785-HFE	
<ja(< td=""><td>CK></td><td></td><td>R001</td><td><res< td=""><td>SISTOR> Carbon</td><td>56K 5%</td><td>1/4W</td></res<></td></ja(<>	CK>		R001	<res< td=""><td>SISTOR> Carbon</td><td>56K 5%</td><td>1/4W</td></res<>	SISTOR> Carbon	56K 5%	1/4W



REF.NO	. PART NO.	DESCRIPTION				REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R002 R004 R005 R006 R008	1-249-440-11 1-249-439-11 1-249-413-11 1-249-441-11 1-249-429-11	CARBON CARBON CARBON	82K 68K 470 100K 10K	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R157 R158 R172 R173 R180	1-249-421-11 1-249-421-11 1-249-422-11 1-249-429-11 1-249-419-11	CARBON CARBON CARBON	2.2K 2.2K 2.7K 10K 1.5K	5%	1/4W 1/4W 1/4W 1/4W
R009 R010 R011 R012 R013	1-249-429-11 1-249-433-11 1-249-433-11 1-249-433-11 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	10K 22K 22K 22K 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	.# %	R185 R186 R201 R202	1-249-439-11 1-249-441-11 1-249-387-11 1-247-887-00	CARBON CARBON CARBON	68K 100K 3.3 220K	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R014 R015 R016 R017 R018	1-215-900-11 1-249-421-11 1-249-433-11 1-249-407-11 1-249-417-11	CARBON CARBON	22K 2.2K 22K 150 1K		2W 1/4W 1/4W 1/4W 1/4W		R203 R204 R401	1-249-411-11 1-247-739-11 1-247-804-11 1-247-804-11	CARBON CARBON CARBON CARBON	330 100 75	5% 5% 5%	1/4W 1/2W 1/4W
R019 R020 R021 R022	1-249-413-11 1-249-413-11 1-249-413-11 1-249-411-11	CARBON CARBON CARBON		5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R403 R404 R405 R406	1-247-804-11 1-247-804-11 1-249-411-11 1-249-411-11	CARBON CARBON CARBON	75 75 75 330 330	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W
R023 R025 R029 R030	1-249-416-11 1-249-417-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON CARBON	1 K 10 K 10 K	5% % % % % % % % % % % % % % % % % % %	1/4W 1/4W 1/4W 1/4W		R408 R409 R410 R411	1-249-431-11 1-249-431-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON CARBON	330 15K 15K 220 220	5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W 1/4W
R035 R037 R038 R039 R040	1-249-431-11 1-249-429-11 1-249-429-11 1-249-417-11 1-249-430-11	CARBON CARBON	15K 10K 10K 1K 12K	5% 5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R412 R413 R414 R415	1-249-409-11 1-249-425-11 1-249-433-11 1-215-858-00	CARBON	220 4.7K 22K 15	5% 5% 5% 5%	1/4W 1/4W 1/4W 1W (KV-H2131D ONLY)
R042 R043 R044 R046	1-249-433-11 1-249-429-11 1-249-433-11	CARBON CARBON CARBON CARBON	22K 10K		1/4W 1/4W 1/4W 1/4W		R416 R418 R419 R420 R421	1-247-804-11 1-249-417-11 1-249-425-11 1-249-413-11 1-249-409-11	CARBON CARBON CARBON CARBON CARBON	75 1 K 4.7 K 470 220	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W
R051 R052 R055	1-249-413-11 1-249-413-11	CARBON CARBON CARBON		5% 5% 5% 5%	1/4W 1/4W 1/4W		R422 R423 R424	1-249-404-00 1-249-438-11 1-249-437-11	CARBON CARBON CARBON	82 56K 47K	5% 5% 5%	1/4W 1/4W 1/4W
R056 R058 R059 R060		CARBON CARBON CARBON	3.3K 10K 5.6K 1K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R425	1-249-437-11		47K	5 %	(KV-K2 130D ONLY) 1/4W (KV-K2 130D ONLY)
R061 R063 R064 R065		CARBON CARBON CARBON CARBON	470 2.7K 1K 22K 4.7K	5%	1/4W 1/4W 1/4W 1/4W		R426 R427 R428 R429	1-249-409-11	CARBON CARBON CARBON	100 75 18K 220	5% 5% 5%	1/4W 1/4W 1/4W 1/4W
R066 R070 R071 R072 R073	1-249-425-11 1-249-429-11 1-249-413-11 1-249-441-11 1-249-435-11	CARBON CARBON CARBON CARBON CARBON	4.7k 10K 470 100K 33K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R430 R431 R432	1-249-437-11 1-249-441-11 1-249-437-11	CARBON CARBON CARBON	47K 100K 47K	5% 5% 5%	1/4W (KV-K2 130D ONLY) 1/4W 1/4W (KV-K2 130D ONLY)
R074 R075 R076 R077	1-249-429-11 1-249-431-11 1-249-423-11 1-249-435-11	CARBON CARBON CARBON CARBON	10K 15K 3.3K 33K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R434 R435 R436 R437 R441	1-249-415-11 1-249-440-11 1-249-409-11 1-249-429-11 1-216-375-00	CARBON CARBON CARBON CARBON METAL OXIDE	680 82K 220 10K 3.3	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 2W F
R078 R079 R080 R084	1-249-427-11 1-249-429-11	CARBON CARBON CARBON CARBON	6.8K 10K 10K 3.9K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R444	1-249-411-11 1-216-452-11	CARBON METAL OXIDE	330 180	5% 5%	(KV-M2131D ONLY) 1/4W 2W F
R085 R086 R151 R152	1-247-881-00 1-249-429-11 1-249-405-11	CARBON CARBON CARBON CARBON	120K 10K 10O 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W			1-249-425-11 1-247-744-11 1-215-867-00	CARBON CARBON METAL OXIDE	4.7K 270 470	5% 5%	(KV-M2#30D ONLY) 1/4V 1/2V 1W
R153 R154 R155 R156	1-249-429-11 1-249-418-11	CARBON CARBON CARBON CARBON	22K 10K 1.2K 330K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W							



REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R504 1-247-895-00 R505 1-249-429-11 R506 1-249-424-11 R507 1-249-435-11 R508 1-216-347-11	CARBON 4' CARBON 1' CARBON 3 CARBON 3 METAL OXIDE 0	470K 5% 10K 5% 3.9K 5% 33K 5% 0.68 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F	R857 R870	1-247-883-00 1-216-393-00 <var< td=""><td>CARBON METAL OXIDE LABLE RESISTOR</td><td>150K 5% 2.2 5% R></td><td>1/4W 3W</td><td>F</td></var<>	CARBON METAL OXIDE LABLE RESISTOR	150K 5% 2.2 5% R>	1/4W 3W	F
R509 1-247-903-00 R510 1-249-439-11 R511 1-247-893-11 R512 1-216-456-00 R513 1-249-424-11	METAL UXIDE 8	1M 5% 68K 5% 390K 5% 820 5% 3.9K 5%	1/4W 1/4W 1/4W 2W 1/4W	F	RV501 RV552 RV553	1-238-163-11 1-238-016-11 1-238-020-11 1-238-016-11 1-223-102-00	RES, ADJ, CAF RES, ADJ, CAF RES. ADJ. CAF	RBON 10K RBON 100K RBON 10K		
R551 1-216-427-00 R552 1-249-419-11 R553 1-249-426-11 R554 1-249-404-00 R555 1-249-423-11	CARBON 5 CARBON 8 CARBON 3	120 5% 1.5K 5% 5.6K 5% 82 5% 3.3K 5%	1/4W 1/4W 1/4W 1/4W	F	S001 S002 S003	1-571-532-21	SWITCH, TACTI SWITCH, TACTI SWITCH, TACTI	IL IL		
R556 1-249-418-11 R558 1-249-417-11 R550 1-249-433-11 R560 1-247-886-11 R561 1-249-412-11	CARBON 1 METAL 2 METAL 2 CARBON 3	1.2K 5% 1K 5% 22K 5% 200K 5% 390 5%	1/4W 1/4W 1/4W 1/4W 1/4W		S004 S005 S006 S007 S008 S009	1-571-532-21 1-571-532-21 1-571-532-21 1-571-532-21	SWITCH, TACTI	IL IL IL		
R562 1-249-428-11 R563 1-249-409-11 R564 1-249-410-11 R565 1-215-454-00 R569 1-249-431-11	CARBON 2 CARBON 2 METAL 2 CARBON 1	8.2K 5% 220 5% 270 5% 24K 1% 15K 5%	1/4W 1/4W 1/4W 1/6W 1/4W		 		RK GAP>			
R571 1-249-436-11 R572 1-249-405-11 R573 1-249-433-11 R574 1-249-439-11 R575 1-249-421-11	CARBON 1 CARBON 2 CARBON 6 CARBON 2	39K 5% 100 5% 22K 5% 68K 5% 2.2K 5%	1/4W 1/4W 1/4W 1/4W		' TENA A	.1-449-275-12 .1-424-077-11	TRANSFIRMER	TRIBLER PH		
R577 1-249-405-11 R601 1-205-909-11 R602 1-214-931-00 R603 1-215-903-11	CARBON 1 WIREWOUND 3 CARBON 5 METAL OXIDE 6	100 5% 3.3 5% 560K 5% 68K 5%	1/4W 10W 1/2W 2W	Palling and the Park	1605 ∧ 1801	-1-421-862-11 1-437-090-00 .1-439-416-11	HDT		parametra receptions	BOTTO STANDARD STANDARD
R604 1-247-750-11 R605 A 1-218-265-91 R606 1-212-877-11 R608 1-215-884-11 R609 1-207-905-00	METAL OXIDE 4 WIREWOUND 0	47 5% 0.27 10%	1/4W 2W 2W		TH601 <u>A</u>	, 1-808-059-31	- Paragram Lappane D. C. Colonia, Name	POSITI VE	emako engen emako engen	
R612 1-217-809-11 R613 1-217-811-11 R615 1-249-399-11 R617 1-216-376-00 R619 1-249-430-11	CARBON 3 METAL OXIDE 3	0.33 5% 0.47 5% 33 5% 3.9 5% 12K 5%	1/4W 1/4W 1/4W 2W 1/4W	F	TU1014	TUN> 1-463-881-11 		V-617)	e galdin gill finds se Legis gan ^{g se} salah	
R650 1-247-725-11 R651 1-247-725-11 R652 1-247-725-11 R653 1-247-725-11	CARBON 1 CARBON 1 CARBON 1	10K 5% 10K 5% 10K 5% 10K 5%	1/4W 1/4W 1/4W 1/4W		1	1-464-960-21			*****	******
R801 1-217-811-11 R802 1-217-778-11 R804 1-217-820-11 R805 1-249-399-11 R806 1-249-421-11	FUSIBLE 1 FUSIBLE 3 CARBON 3	0.47 5% 1K 5% 3.3K 5% 33 5% 2.2K 5%	1/4W 1/4W 1/4W	F	L901 A	*** 3. 1-426-383-11 1-451-295-11 1-452-032-00	********** COIL, DEMAGN DEPLECTION Y MAGNET, DISK	; 10MM ø		
R807 1-212-877-11 R808 1-216-346-00 R809 1-249-421-11 R810 1-202-725-00 R823 1-215-868-00	METAL OXIDE 0 CARBON 2 SOLID 3	68 5% 0.56 5% 2.2K 5% 3.3M 10% 680 5%	1/4W 1/2W	į.	7-7	1-452-094-00 1-452-277-00 1-503-258-21 1-559-346-12	CORD. POWER	(WITH CONNEC	TOR)	
R833 1-212-956-00 R852 1-216-431-11 R854 1-217-811-11 R855 1-202-830-00 R856 1-217-825-11	METAL OXIDE 5 FUSIBLE 0 SOLID 1	8.2 5% 560 5% 0.47 5% 10K 10% 8.2K 5%	1/2W 1W 1/4W 1/2W 1/4W	F	1	.8-738-753-05				

ACCESSORIES AND PACKING MATERIALS

PART NO.	DESCRIPTION	REMARK
4-200-324-31 *4-380-340-01 *4-385-902-01 *4-387-961-01 *4-387-962-01	MANUAL, INSTRUCTION BAG, PROTECTION INDIVIDUAL CARTON CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY)	

REMOTE COMMANDER

1-465-487-11 REMOTE COMMANDER (RM-657) 4-384-285-01 COVER, BATTERY (FOR RM-657)